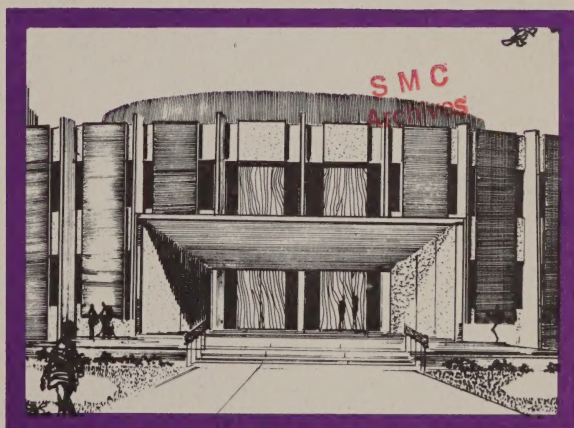


BULLETIN OF
ST. MICHAEL'S COLLEGE
WINOOSKI, VERMONT



CATALOG ISSUE
1970 • 1971

SAINT MICHAEL'S COLLEGE BULLETIN
WINOOSKI, VERMONT 05404

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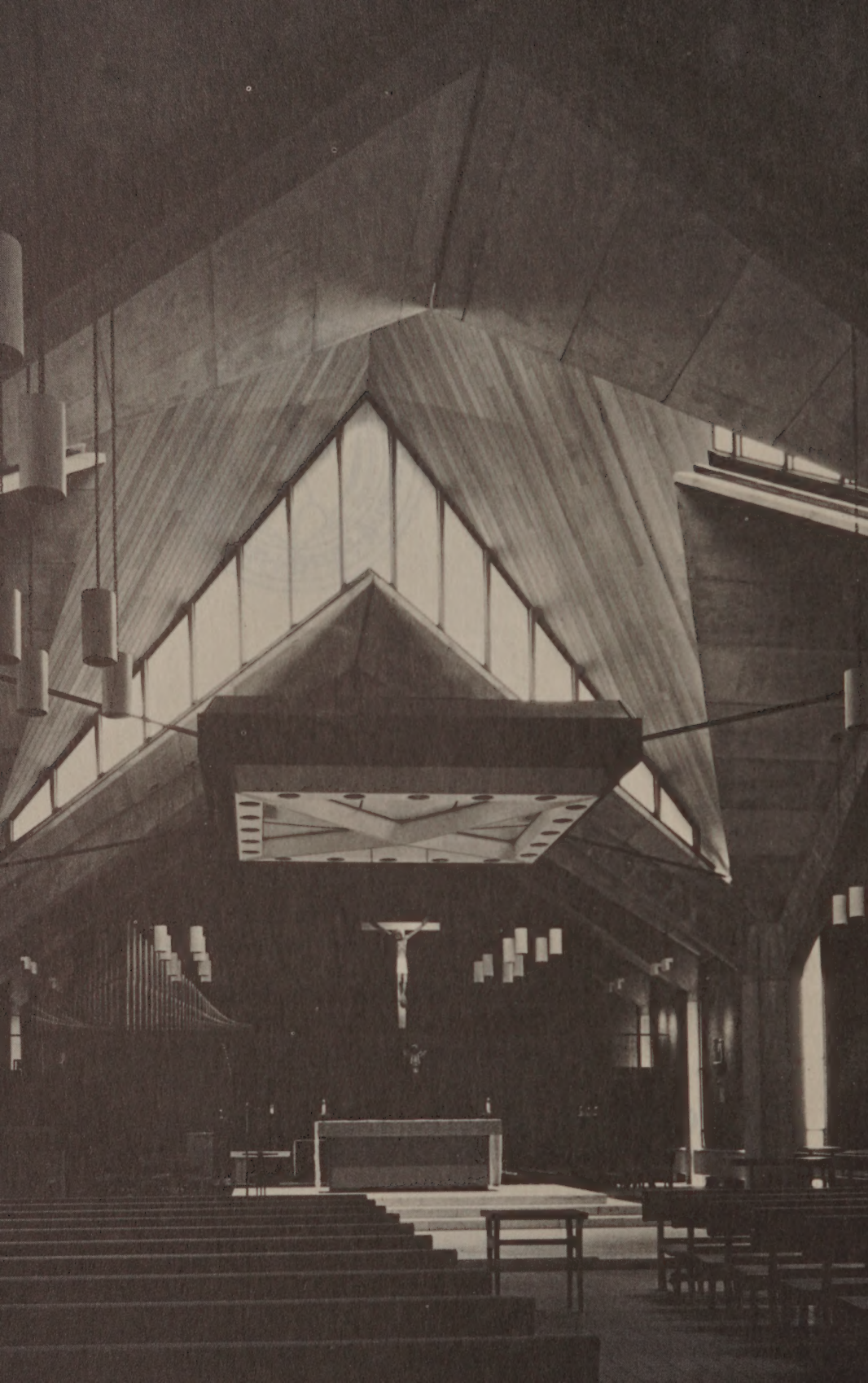
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Archives

1970 — 1971

St. Michael's College

Undergraduate Bulletin

College of Arts and Sciences



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CALENDAR

1971

APRIL

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ACADEMIC CALENDAR

First Semester

1970

- Sept. 6-8 Freshman Orientation
9 Registration for Upperclassmen
Classes begin for freshmen
10 Classes begin for Upperclassmen
20 Mass of the Holy Spirit
23 Last day for course changes
Oct. 16 No classes
Nov. 5 Quarterly reports due
25 Thanksgiving recess—11:30 a.m.
30 Classes Resume
Dec. 10-11 Study days—no classes
14-22 Final exams
Christmas vacation begins after last class
End of Semester

Second Semester

1971

- Jan. 25 Registration for second semester
26 Classes resume
Feb. 9 Last day for course changes
March 5 Quarterly reports due
Spring vacation begins after last class
15 Classes resume
April 8 Easter vacation begins 11:30 a.m.
12 Classes resume
May 6-7 Study days—no classes
10-18 Final exams
30 Commencement



General Information

SAINT MICHAEL'S COLLEGE was established in 1903 by the Fathers of St. Edmund, a religious congregation founded in France in 1843 and active in education since 1879. Having come to the United States in the late nineteenth century, the Edmundites established a college in Winooski Park near Burlington, Vermont, in a region noted for Lake Champlain and the Green Mountains.

Soon after its establishment, St. Michael's divided into a high school and a college. The high school was eventually discontinued, its last class graduating in 1931. Enrollment in the college before World War II was about 250 students. Following the war the college has rapidly expanded to its present enrollment of 1200 students. In April of 1970 the trustees voted that St. Michael's should become coeducational.

ACCREDITATION AND AFFILIATIONS

Saint Michael's College is accredited by the New England Association of Colleges and Secondary Schools. Courses are approved by the Regents of the University of the State of New York. The college is affiliated with The Catholic University of America and is a member of the National Commission on Accrediting, of the American Association of Colleges, of the American Association of Colleges for Teacher Education, of the National Catholic Educational Association, of the National Conference of Church Related Colleges, and of the College Entrance Examination Board.

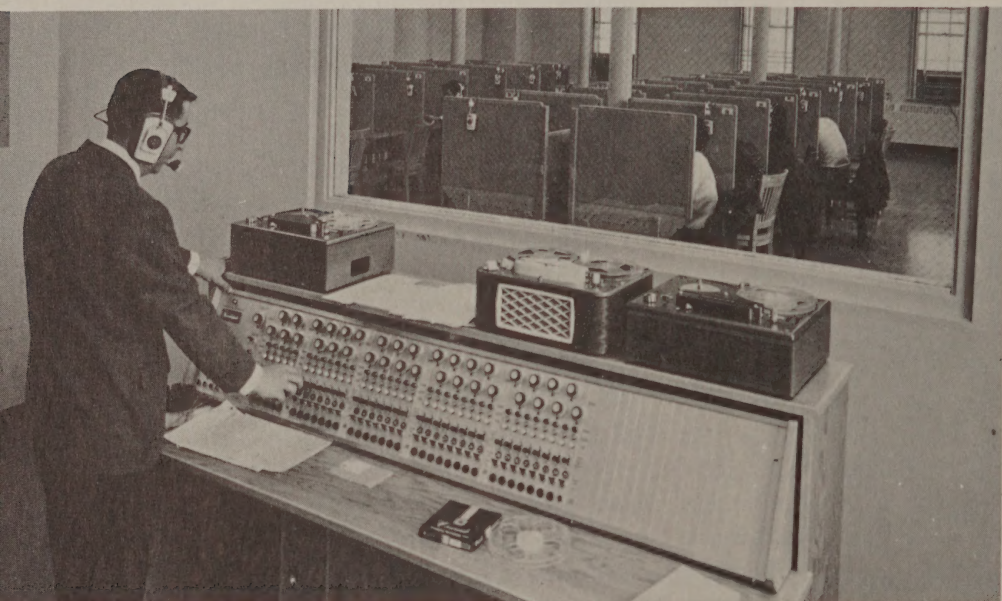
LIVING ACCOMMODATIONS

About 94 percent of the students board in five residence halls on the campus, four of which are four-story fireproof structures, recently built, each accommodating 200 students. Founders Hall accommodates about 150. Most of the rooms are double rooms equipped with beds, mattresses, pillows, bureaus, desks, chairs, window shades, lights, and waste baskets. Students are required to furnish their own blankets, sheets and pillow cases. Women students admitted in 1970 will be housed in a dormitory on the North Campus.

Students living on campus ordinarily take their meals in the college dining hall. Day students may make arrangements to take their noon meals on campus. The dining hall, part of a student union building, can serve more than 500 students at one time.

CLASSROOMS AND LABORATORIES

Most of the classrooms are located in Jemery Hall. Classrooms and laboratories for biology, chemistry and physics are located in Cheray Science Hall, a fireproof brick building provided with modern equipment and facilities. The psychology laboratory is in Angel Hall.



LIBRARY

The Jeremiah K. Durick Library opened in the spring of 1968. The new library is a circular structure with space for 100,000 volumes. Carrels and tables can accommodate more than 600 at one time. Special rooms are available for meetings of small groups.

CHAPEL

A new brick and concrete cruciform chapel was dedicated in the summer of 1965. Approximately 1,000 persons may worship on three sides of the Altar of Sacrifice.

GYMNASIUM

The gymnasium and sports center, located on the North campus, contains two basketball courts and facilities for intramural athletics.

OBSERVATORY

The Holcomb Observatory is under the direction of the Department of Physics. It houses a 12 inch reflecting telescope, designed and equipped for photographic study of the stars.



EXTRACURRICULAR ACTIVITIES

Ample opportunities are provided for individual or collective participation in extracurricular activities. Students who desire to write are encouraged to contribute to *The Quest*, the college literary magazine, or to work on the staff of the college newspaper, *The Michaelman*. Plays and concerts are presented in the St. Michael's Playhouse. The Radio Club maintains a studio and MARS station. The Biology, Chemistry, Modern Language, History and Politics Clubs sponsor special projects, guest lecturers and field trips. Students with musical ability are welcomed by the College Glee Club and the College Choir. The John Verret Chapter of the Knights of Columbus is established on the campus.

STUDENT GOVERNMENT

All members of the student body at St. Michael's College are members of the Student Association. The governing body of the association

is the Student Senate, composed of the House Presidents, Class Presidents, and annually elected officers.

Student activities are planned, organized, and coordinated by the officers and committees of the Student Senate and by student organizations officially approved by the Student Senate.

DISCIPLINARY REGULATIONS

Each student receives a copy of the *STUDENT GUIDE*, which contains the rules that apply to the whole student body. Disciplinary regulations are for the purpose of providing an environment conducive to the educational aims of the college. It is expected that a student will know and observe these rules. Serious misconduct may result in suspension or expulsion without remission of fees.

Since Saint Michael's College is primarily a residence school, all students except those who are married or whose parents live nearby are required to live in the campus residence halls when such accommodations are available. When there is no room on campus, out-of-town students may receive permission to live off campus. Requests for such permission should be submitted before August 1.

Residences are closed during college vacation periods. Special permission may be obtained from the Dean of Men to occupy a room during such vacation periods, for an additional charge.

The school is not responsible for loss of student's money or property.

Freshmen, during their first semester at St. Michael's, are not permitted to have in their possession or to operate an automobile. All other students, provided they are in good academic standing, may possess or operate an automobile. All cars must be registered with the Security Office within five days after arrival on campus. Vehicles must be properly inspected, registered in accordance with appropriate state law, and covered by liability insurance. Written parental permission is required for those under 21. Irresponsible use of automobiles on or off campus will result in loss of the privilege to possess or operate an automobile for the remainder of the year or longer.

FRESHMAN ORIENTATION

A few days are set aside at the beginning of each year for Freshman orientation. During these days new students become acquainted with the campus, the faculty, their fellow students, and the region before they begin the year's work. They meet for orientation talks, discuss their programs with advisors, engage in social and athletic activities, and register for the year. A special bulletin is issued at the end of the summer giving

all the details of the Freshman Orientation program. Day students as well as boarders may stay on the campus during this week.

SUMMER SESSION

The Graduate Division conducts a summer session every year. It is designed primarily to meet the needs for advanced education although some undergraduate courses are offered. Qualified students may be admitted at either level and credits are usually transferable to other institutions. The summer session is coeducational. A special bulletin is issued every spring describing courses offered and requirements for degrees.

AIR FORCE RESERVE OFFICER TRAINING CORPS

The United States Air Force established a unit of the AFROTC at St. Michael's College in the summer of 1951 to provide instruction on aerospace power in the defense of the United States and training in leadership techniques. Selected students receive commissions in the Air Force upon completion of their college education.

STUDENT PERSONNEL SERVICES

GUIDANCE

The relatively small size of the college makes it possible for each student to receive individual attention. Informal guidance is given by proctors who live in the dormitories and by members of the faculty. A faculty advisor assigned to each student periodically reviews his academic progress.

COUNSELING AND TESTING OFFICE

The Counseling and Testing Office offers confidential counseling to any student who wishes to discuss any matter related to his self-development.

Individual vocational testing, interpretation of the tests, and advice are available to enrolled students without charge.

A reading room of occupational literature and graduate school information is maintained.

HEALTH SERVICES

The College infirmary is equipped to care for common student ailments. A physician is available at regular hours every day and a registered nurse is always on duty. Cases of serious illness are transferred immediately to the Fanny Allen Hospital, located near the College.

PLACEMENT

The Placement Office collects and disseminates information regarding graduate schools, postgraduate fellowships and scholarships, positions available in the educational field, and opportunities in industry. Interviews between students and representatives of various industrial firms, government officials, and agents of school systems are arranged by the Director of Placement.

FINANCIAL AID

A Financial Aid Office administers student aid. Opportunities for scholarships, grants, loans, and part-time employment are described in the last chapter of this Bulletin.

RELIGIOUS AFFAIRS

The Director of Religious Affairs provides spiritual guidance for students. He also serves as rector of the chapel and coordinator of campus



liturgical functions. Priests of the Society of St. Edmund are also available for personal counseling.

HONOR SOCIETIES

Chapters of the following national honor societies are established on the campus: The Alpha Nu Chapter of Delta Epsilon Sigma, a national honor society devoted exclusively to the recognition and encouragement of graduates of Catholic liberal arts colleges showing high scholastic promise; the Alpha Chapter of Alpha Epsilon Delta, the Pre-medical national honor society; and the Gamma Alpha Chapter of Kappa Phi Kappa, the national professional education society.

PROGRAM OF TEACHER PREPARATION

The education of future teachers is an important purpose of St. Michael's College. The prospective teacher must fulfill all the requirements of a liberal arts concentration program in his subject matter field.

The teacher candidate qualifies for matriculation into the Teacher Preparation Program at the end of his sophomore year. Qualifications for matriculation are defined on page 63. The matriculated candidate continues his concentration program and takes professional education courses as electives in his junior and senior years. He graduates with an A.B. degree.

A post-graduate program provides the opportunity to fulfill requirements for certification and to obtain a master's degree. It may be taken as a full fifth-year scholastic program, or on a part-time basis within the framework of Saturday classes and summer sessions at the college.

Full N.D.E.A. loan grants are made to matriculated teacher candidates.

PROGRAM IN APPLIED LINGUISTICS

The Division of Applied Linguistics of the English Department conducts a program to meet the needs of foreign students who need training in the English language before they undertake regular courses of study in the United States. The teaching is concentrated in sixteen week sessions during which the student takes only English courses. Specially trained instructors hold three formal classes a day. In addition to the classroom work the student also spends one hour each day in the language laboratory where pronunciation, intonation, and conversation are emphasized. Although intended specifically for international students preparing to enter American colleges or universities, the program is also open to men and women who desire to learn English for business or other reasons.

THIRD YEAR ABROAD

A Program of study abroad during the student's junior year in college is incorporated with established programs of other colleges and universities. The Academic Dean and Concentration Advisor participate in the direction of each student who studies abroad. A grade point average of 3.0 for the first two college years is a prerequisite for participation in the program.

DELAYED ADMISSION PLAN

Students who, under present requirements for admission are not admissible to St. Michael's College, may apply to participate in the Delayed Admission Plan. Students selected for this plan will attend Summer School for the purpose of being evaluated with regard to admission to the regular program. For further information concerning the details of this plan contact: Delayed Admission Plan, Office of the Summer Session, Saint Michael's College, Winooski, Vt., 05404.

St. Michael's Plan of Studies

ST. MICHAEL'S COLLEGE aims to help each student develop his mind as fully as possible, to foster the development of character in the student, and to prepare him for his life's work. These aims are sought by means of a curriculum which includes courses required of all students, courses appropriate to the various specialized fields of concentration, and electives.

Required courses include a general survey of the basic concepts of science,* a humanities program that includes a survey of history to the French Revolution and a sequence in the "great books," a series of courses in philosophy and theology, and a basic course in social science.

Each student is expected to make a tentative choice of a field of concentration at the beginning of his freshman year. At the end of that year, at the time of pre-registration, he is required to make a firm choice. Work for most of the concentrations begins in the second year. Foundations for concentrations in mathematics, biology, and chemistry are established in the first year. The concentrations are described and the courses specified in the section entitled Courses of Instruction.

All concentrations lead to the degree Bachelor of Arts.

PRE-PROFESSIONAL PROGRAMS

Medical and dental schools usually require two years of chemistry, one year of biology, one year of mathematics, and one year of physics for admission. Preference is usually shown for those candidates who have completed their baccalaureate studies.

Law schools do not require any prescribed courses for admission. Students who intend to enter law school are advised to choose a concentration in English, history, government, economics, philosophy, sociology, business administration or American studies.

* not required of mathematics and science majors.



Admission and Academic Regulations

APPLICATION

APPPLICATION FOR ADMISSION must be on a form provided by the college. This form and a copy of the current bulletin may be obtained by writing to the Director of Admissions.

All applicants should submit a completed application form as early as possible after the first quarter grades have been recorded in their senior year. It is required that a student receive the recommendation of his principal or guidance counselor and that he submit a copy of his scores achieved on the College Entrance Board Scholastic Aptitude and Achievement tests.

Three Achievement Tests are required, in English, Modern Foreign Language, and the chosen field of concentration, if offered. In the event a student chooses a field in which no Achievement Test is offered, he must substitute a test in some other field.

Test dates appropriate to admission in 1970 are:

May 2, 1970

July 11, 1970

For admission in 1971:

*November 7, 1970

*April 17, 1971

December 5, 1970

**May 1, 1971

January 9, 1971

July 10, 1971

March 6, 1971

Application for the College Board Tests should be made through the high school principal at least a month in advance of the test date.

Students who wish to transfer to St. Michael's College from some other college must submit, in addition to the above, a transcript of their scholastic record in each college already attended and a letter from the Dean of Men or other responsible official attesting to their good character.

All documents from other institutions submitted in support of an application should be forwarded directly to the Director of Admissions from the institutions providing such documents.

*SAT only

**Achievement Tests only

CAMPUS VISITS

Prospective students and their parents are cordially invited to visit the college, talk with college officials, and view the campus. Every year, especially during the late spring and summer seasons, hundreds combine a pleasant trip through the Green Mountains with an opportunity to inspect college facilities and talk over the educational needs of their sons with administrative officers.

To insure that each guest party receives the attention the college as host likes to give, campus visitors are asked to notify the Director of Admissions a week in advance of the planned visit. College offices are open to all visitors Monday through Friday from 9:00 A.M. to 4:30 P.M. The telephone number at Burlington is 802-864-7451, Extension 233. We regret that visitors cannot be interviewed on Saturday or on Sunday.

ADMISSION REQUIREMENTS

St. Michael's seeks students of demonstrated ability, good character, and the aptitude to succeed in a liberal arts program.

There is no single criterion upon which admission is granted. The committee on Admissions strives not only to select the best qualified among those candidates who fulfill objective requirements, but also to discern among those groups traditionally excluded by such criteria students of genuine promise. The Committee attempts to obtain a total picture of each candidate as a person by assessing not only his academic performance but also the counselor's recommendation and the student's own self-assessment of his ability to achieve self-directed goals.

As guidelines in predicting success, the Committee has found the following to be useful criteria. In general, all candidates for admission should have followed a secondary school program of four years of *English*, two years of a *foreign language*, three years of *mathematics*, two years of *physical sciences*, and two years of *social studies*.

In addition to these studies, candidates who are applying in the concentrations of biology, chemistry, mathematics, and physics are expected to have completed four years of mathematics and preferably three laboratory sciences with quality grades in each of these areas. Candidates applying in business administration and economics are also expected to have four units of mathematics.

All applicants must achieve satisfactory scores on the Scholastic Aptitude Tests administered by the College Board. Students who do not obtain scores of at least 500 in each section—but whose high school records are of above-average quality—are advised to arrange a personal interview with the Director of Admissions at the time they make application.

JUNIOR YEAR EARLY ADMISSION

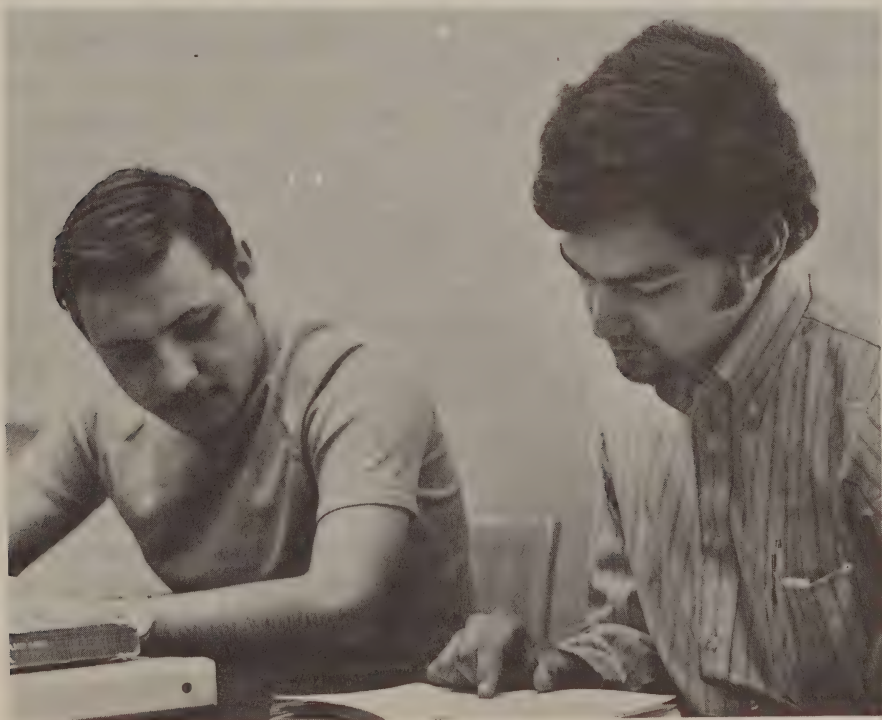
High school juniors who have maintained very good grades during their first three years may be granted provisional admission to St. Michael's at the end of the junior year, provided they have taken the Scholastic Aptitude Test of the College Entrance Board before the end of the junior year and make plans to take the proper Achievement Tests during the senior year.

COLLEGE BOARD ADVANCED PLACEMENT PROGRAM

One of the central aims of the ST. MICHAEL'S PLAN of studies is to prevent wasteful overlapping or duplication of courses. St. Michael's therefore cordially invites applications from students who have taken College Board Advanced Placement Examinations. St. Michael's College will evaluate these examination results with the view of offering both college credit and advanced placement.

SPECIAL PROGRAM FOR GIFTED STUDENTS

An able student who has not had the opportunity to take Advanced Placement Examinations may, however, still qualify for the opportunity



of being admitted to St. Michael's College with advanced standing or of accelerating his college course. In order to qualify an applicant must present minimum scores of 600 on each part of the Scholastic Aptitude Test and be recommended for this program by his high school principal or guidance officer.

He may then choose to be examined during Freshman Week in September in any of the regular freshman subjects. The director of the program will make available an outline and reading list for each course chosen in order that the student may study during the summer. For each examination passed, the entering freshman will be granted the credits for the course and will be permitted to substitute an advanced course.

The College Level Examinations (CLEP) administered by the College Entrance Examination Board are also acceptable for advanced placement. A student unable to meet the conditions above may submit CLEP scores for evaluation and possible placement with advanced standing.

A student already in residence may attempt to pass courses by examination, if he has maintained a grade point average of at least 3.0 and is recommended by his professors. Examinations are given in January and May. The student must declare his intention to take the examination by October 1 (January examination) or by February 15 (May examination). He will then prepare for the examination by directed reading, consultation, and auditing of classes. A fee of \$50.00 will be charged for each examination administered under this program.

ADMISSION TO THE AIR FORCE ROTC PROGRAM

The AFROTC program is voluntary for all participants. Applicants are selected on the basis of academic standing, physical qualifications, leadership potential and interest in the Air Force as a career. The Professor of Aerospace Studies will address interested students during Freshman Week in September. Enrollment procedures will be specified at that time. Anyone desiring specific information is requested to write to Professor of Aerospace Studies, AFROTC Detachment 865, St. Michael's College, Winooski, Vermont 05404.

ADMISSION TO ADVANCED STANDING FOR TRANSFER STUDENTS

Candidates from other accredited colleges may be accepted and given advanced standing, providing they meet all the entrance and promotion requirements of St. Michael's College and can present a certified statement of their previous college work, together with a letter indicating good academic standing and honorable dismissal.



Only those courses which correspond or are similar to courses offered at St. Michael's College and in which the student has earned a grade of C or better may be considered for transfer. Ordinarily, transfer credits are not given in excess of those given for similar courses at St. Michael's College. No higher standing is given than that to which transfer students were entitled in the college in which they were previously enrolled. Credits are considered for transfer only if a transcript of such credits is submitted by the applicant prior to his admission. Finally, a transfer student may be required to pass an examination to determine his fitness to enter a course already in progress.

A tentative evaluation of transferable credits is made and forwarded to the applicant prior to his admission. This evaluation lists the maximum number of credits which may be transferred. Acceptance of an offer of admission by the transfer student is regarded as acceptance also of the evaluation of credits for transfer. No further action may be requested at a later date.

No advanced standing credits are recorded by the college until the applicant has successfully completed one full year of work at St. Michael's College. Advanced standing is not given to any student who has been dismissed for poor scholarship by another college and who applies for admission to St. Michael's College.

Transfer students must pass at least the full senior year in residence and earn a minimum of thirty credits.

ADMISSION OF SPECIAL STUDENTS

A limited number of students who are not candidates for degrees may be permitted to enroll for certain courses for good reasons. Such students are given no class rating and are not eligible for academic honors. They are charged for courses they follow at the rate of \$60.00 per credit hour. To maintain the status of "special student" one must be enrolled for less than twelve credits in one semester. Otherwise, he will be considered a full-time student.

DEGREE REQUIREMENTS

To earn the degree of Bachelor of Arts a student must:

1. fulfill the residence requirements;
2. complete all the requirements of one of the degree programs listed in the next section;
3. maintain a quality point average of at least 1.5 in all courses and 2.0 in the courses of his concentration;

RESIDENCE REQUIREMENTS

Four academic years are ordinarily required to earn the bachelor's degree. The nature of the program of studies at St. Michael's College makes it difficult to shorten this time by attendance at summer sessions. Students who transfer from another college must be in residence at least one full academic year immediately preceding their graduation and must earn a minimum of thirty credits.

REGISTRATION

Formal registration takes place before classes commence in September. Freshmen register during the Freshman Orientation period. Students in session must preregister for the following year in March.

The normal course load consists of five courses each semester. A sixth course on a pass/fail basis may be taken by:

- (1) ROTC students, whose military training is in addition to a normal load.
- (2) transfer students who require extra courses because of insufficient transfer credits.
- (3) sophomores, juniors, or seniors who need to make up a course failure but they will pay a charge of \$50.00.
- (4) sophomores, juniors, and seniors whose quality point average the previous year was 3.0 or better.

COURSE CHANGES

The following policies and rules with regard to changes will be strictly adhered to:

1. Changes in concentrations, courses, or sections may be made without charge between the end of the preregistration period and the official registration day in September. Normally, no changes in concentration, course, or section will be permitted on and after registration day. Students who wish to participate in athletic or other

extra-curricular activities are advised to consider these factors when preregistering.

2. Changes in concentration and/or course arising from unforeseeable and serious reasons may be requested during a period not to exceed two weeks from the starting day of classes in any semester. A change of concentration will be subject to a fee of \$15.00.
3. A student may not change his concentration or add a new course to his schedule after the above dates.
4. The notation on the transcript of a student who withdraws from a course will be WD.
5. A student desiring a course change should direct a request for such a change to the Registrar, describing the change desired and the reasons for the change. If such a request is made on or after the day of registration, a form provided by the Associate Dean's Office should be used.
6. No change becomes official until notice of approval by the Dean has been filed in the Student Information Center.
7. A student who withdraws from St. Michael's should complete a withdrawal form. Unless he formally withdraws, there can be no remission of fees.

CLASS ATTENDANCE

Regular class attendance is the responsibility of the student. An instructor has the prerogative to establish specific policies for his class. Instructors will report absences, and failure to attend class regularly will be cause for enquiry by the Dean of Men.

TESTS AND EXAMINATIONS

Frequent quizzes and tests are given throughout the year. A formal examination is given in semester courses at the end of each semester. Although the grade on final examination is averaged with grades earned in class work it must be a passing grade to be counted at all. Students who fail to pass the final examination fail the course.

Makeup examinations are given to students who are legitimately absent from a scheduled final examination. Absence from a final examination should be reported to the Dean as soon as possible. If he considers the reasons for the absence valid he gives the student a permit for a make-up examination. The student must present this permit to his instructor for the exam he missed and arrange with the instructor for a make-up. This should be done within one month of the date on which the exam was missed. The Academic Dean will assign a specific date for makeup examinations. Failure to make up an exam within the time specified will result in a failing grade for the course.

Permission from the Academic Dean is required to make up a course at another college during the summer. This permission is seldom given for courses in the student's field of concentration.

Students who have been suspended for disciplinary reasons over the period of examinations are not eligible for makeup examinations unless

this was clearly provided for at the time the suspension was imposed. A failing grade is recorded for such courses as are incomplete.

GRADING SYSTEM

The permanent grade in each course is based upon class work and the final examination. Each department determines what weight is to be given to each.

Grades are reported and recorded by letters as follows: A indicates that the student is doing superior work. B indicates that the student is doing work which is above average. C is average. D is poor. F means failure. I (for incomplete) means that assignments have not been completed. X means absence from a final examination and remains on the record until the student completes the makeup examination; if he is not eligible for the makeup examination the X is changed to F. WD means that the student withdrew from a course without penalty. Grades of I or X and WD are not computed in the average. A record containing such a grade, however, will not be eligible for honors citation during the period in which it is incurred. Following make-up a new average will be computed and if the student then would be eligible for honors a notation will be inscribed on his record. No other recognition will be made. The general average, concentration average, and rank in class are computed on a quality point average. Quality points are determined by multiplying the number of semester hours for each course by the number of quality points assigned to the grade received. In this system A = 4; B = 3; C = 2; D = 1; F = 0. To arrive at the quality point average, the sum of the quality points received for all courses is divided by the number of semester hours attempted.

Grades and class absences are reported by instructors four times each year: in November, January, March and June. November and March grades are considered progress grades and do not appear on the permanent record. At these times only unsatisfactory grades are forwarded to parents or guardians. If parents receive no report in November or March it may be considered that their son is doing satisfactory work. A full grade report for all students is made in February and June. These are final grades in course and will appear on the permanent record.

ACADEMIC STANDING

To remain in good standing a student must pass every course and maintain a quality point average of at least 1.5. Dismissal will result if the quality point average is below 1.5 in successive semesters, or if dismissal is recommended by the Academic Review Board.

COURSE FAILURES

A student who receives a grade of F will be allowed a makeup examination only upon the recommendation of the instructor.

TRANSCRIPTS AND LETTERS OF RECOMMENDATION

Requests for transcripts of a student's record or for recommendations cannot be honored during the period of semester or final examinations and the first few days of a new semester. They cannot be prepared during these periods. At other times such requests are honored promptly, provided the student's accounts with the college have been completely satisfied. The handling of such requests will be expedited if the fee of one dollar (\$1.00), charged for every transcript after the first one, is enclosed with the request.

Letters of recommendation on behalf of students are issued either by a Recommendations Committee or by individual instructors. In general, students having a quality point average of 3.0 or higher may be assured of a favorable recommendation. Students who have a quality point average of less than 3.0 may or may not receive a favorable recommendation, depending upon the purpose of the recommendation.

CHANGE OF REGULATION

The college reserves the right to make modifications in the degree requirements, courses, schedules, calendar, regulations, fees and charges deemed necessary or conducive to the efficient operation of the college. Such changes become effective from the date they are published in the college bulletins.

DEGREE PROGRAMS AND REQUIREMENTS

Degree Requirements

All candidates for the Bachelor of Arts degree must satisfy the following requirements, normally by attaining a passing grade in appropriate courses and exceptionally by a qualifying examination:

- | | |
|--|--------|
| a) English | 6 cr |
| b) Humanities | 12 cr |
| c) Social Science | 6 cr |
| d) Two sequences in philosophy and theology
of two years each | 24 cr |
| e) A General Science | 6-8 cr |
| f) Modern Foreign Language | |

With the exception of MATHEMATICS, CHEMISTRY, and BIOLOGY concentrators each candidate is required to demonstrate a two year college level of achievement in the foreign language of his choice. This may be done by passing a proficiency examination or by satisfactorily completing a second year course.

6-12 cr

- | | |
|-------------------------------------|--|
| g) Concentration courses prescribed | |
| h) Electives | |

For graduation a candidate must have completed successfully not less than forty semester courses with a minimum of 120 credit hours.

Some courses recognized for credit toward degree are offered jointly in cooperation with Trinity College in Burlington, Vermont. Those courses which are held on the Trinity campus are indicated by the suffix T following the course number.

Degree Programs

FOR THE CONVENIENCE of students and their advisers a schematic listing of the courses for each year in the various concentrations is given in the next few pages. The programs so listed are applicable to students entering in 1970-71. Frequent reference should be made to these outlines and to the section in which all the courses are described (page 47).

The degree programs are listed in the following order:

American Studies	Page 28
Biology	29
Business Administration	30
Chemistry	31
Economics	32
English Literature	33
Fine Arts	34
French Literature	37
History	38
Latin	39
Mathematics	40
Philosophy	41
Physics	42
Political Science	43
Psychology	44
Sociology	45

For registration purposes an exact list of the courses offered, with section letters, hours and place of meeting, and names of instructors, is supplied to the student and to his advisers.

AMERICAN STUDIES CONCENTRATION

Please refer to page 77 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST	2ND
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Modern Language	3	3

SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Modern Language	3	3
History 201-203 (<i>Growth of the American Nation</i>)	3	3

THIRD YEAR		
Social Science	3	3
American Studies 310 (<i>American Intellectual History</i>)	3	3
American Studies electives advised by the department	3	3
Electives	3	3
Electives	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
American Studies 410 (<i>Seminar in American Studies</i>)	3	3
American Studies electives advised by the department	3	3
Electives	3	3
Electives	3	3

BIOLOGY CONCENTRATION

Please refer to page 50 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

FIRST YEAR	CREDITS	
	1ST SEMESTER	2ND SEMESTER
Biology 101-103 (<i>General Biology</i>)	4	4
English 101-103	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Chemistry 105-107 (<i>Introduction to Chemistry</i>)	4	4
Mathematics 101-103 (<i>Analytic Geometry and Calculus</i>)	3	3

SECOND YEAR

Biology 205-207 (<i>Biology Reading Tutorial</i>)	2	2
Physics 101-103 (<i>General Physics</i>)	4	4
Chemistry 301-303 (<i>Organic Chemistry</i>)	4	4
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Theology 301-303 (<i>Sacred Scripture</i>)	3	3

THIRD YEAR

Biology 321 (<i>Ecology</i>)	4	...
Biology 307 (<i>Vertebrate Biology</i>)	...	4
Biology 301 (<i>Cell Biochemistry</i>)	4	...
Biology 323 (<i>Genetics</i>)	...	4
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Modern Language or Social Science	3	3
Elective	3	3

FOURTH YEAR

Biology 405 (<i>Microbiology</i>)	4	...
Biology 410 (<i>Biology Seminar</i>)	2	2
Biology 420 (<i>Senior Research</i>)	2	2
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Modern Language or Social Science	3	3
Biology 407 (<i>Plant Physiology</i>)	...	4
OR		
Biology 409 (<i>Comparative Physiology</i>)	...	4

BUSINESS ADMINISTRATION CONCENTRATION

Please refer to page 60 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST	2ND
	SEMESTER	
FIRST YEAR		
English 101 (<i>Freshman Composition and Reading</i>)	3	...
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Business 105-107 (<i>Mathematics for Management</i>)	3	3
Modern Language	3	3
Elective	...	3
SECOND YEAR		
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Modern Language	3	3
Business 201-203 (<i>Introductory Accounting</i>)	3	3
Business 207 (<i>Statistics</i>)	3	...
Business 208 (<i>Business Law</i>)	...	3
THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Economics 101-103 (<i>Principles of Economics</i>)	3	3
Business 303 (<i>Industrial Management</i>)	3	...
Business 305 (<i>Marketing</i>)	...	3
Business 315-317 (<i>Financial Policies of Corporations</i>)	3	3
Electives	3	3
FOURTH YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Business 410 (<i>Coordinating Seminar in Business</i>)	3	3
Electives	3	3
Electives	3	3

CHEMISTRY CONCENTRATION

Please refer to page 53 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST	2ND
FIRST YEAR	SEMESTER	
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Physics 105-107 (<i>General Physics</i>)	4	4
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Chemistry 105-107 (<i>Introduction to Chemistry</i>)	4	4
Mathematics 105-107 (<i>Analytic Geometry and Calculus I</i>)	3	3
SECOND YEAR		
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Mathematics 201-203 (<i>Analytic Geometry and Calculus II</i>)	3	3
Chemistry 201-203 (<i>Physical Chemistry</i>)	5	5
THIRD YEAR		
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Chemistry 301-303 (<i>Organic Chemistry</i>)	5	5
Chemistry 305 (<i>Inorganic Chemistry</i>)	3	...
Chemistry 307 (<i>Advanced Inorganic Chemistry</i>)	...	5
Modern Language or Social Science	3	3
Electives	3	3
FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Chemistry 401 (<i>Advanced Organic Chemistry</i>)	3	...
Chemistry 403 (<i>Physical Organic Chemistry</i>)	...	3
Chemistry 413 (<i>Instrumental Methods</i>)	4	...
Chemistry 415 (<i>Advanced Physical Chemistry</i>)	...	4
Chemistry 410 a-b (<i>Seminar</i>)	1	1
Chemistry 421-423 (<i>Research</i>)	1	1
Modern Language or Social Science	3	3
Electives	3	3

ECONOMICS CONCENTRATION

Please refer to page 57 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101 (<i>Freshman Composition and Reading</i>)	3	...
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Economics 101-103 (<i>Principles of Economics</i>)	3	3
Modern Language	3	3
Elective	...	3

SECOND YEAR		
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Modern Language	3	3
Economics 205-207 (<i>Quantitative Methods I and II</i>)	3	3

THIRD YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Social Science	3	3
Economics 301 (<i>History of Economic Thought</i>)	3	...
Economics 311 (<i>Income and Employment</i>)	3	...
Economics 313 (<i>Price System and Resource Allocation</i>)	...	3
Economics 405 (<i>Financial and Credit Institutions</i>) or Economics 407 (<i>Public Finance</i>)	...	3
Electives	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Economics 410 (<i>Coordinating Seminar in Economics</i>)	3	3
Electives	3	3
Electives	3	3
Electives	3	3

ENGLISH LITERATURE CONCENTRATION

Please refer to page 65 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST	2ND
FIRST YEAR	SEMESTER	
English 101 (<i>College Writing</i>)	3	or 3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Social Science	3	3
Modern Language	3	3
Elective in English	3	or 3

SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy and the Sciences</i>)	3	3
Modern Language	3	3
English 103 (<i>Introduction to Literary Studies</i>)	3	...
Elective in English	...	3

THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
English 347 (<i>Advanced Literary Studies</i>)	...	3
Elective in English	3	...
Electives	3	3
Electives	3	3
Electives	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
English 410 (<i>Senior Seminar in English</i>)	3	3
Electives in English	3	3
Electives in English	3	3
Electives	3	3

FINE ARTS—(ART)

Please refer to page 70 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101 (<i>Freshman Composition</i>)	3	...
Art 205 Drawing	...	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical & Medieval Civilization</i>)	3	3
Art 201 (<i>Basic Principles of Art</i>)	3	...
Art 203 (<i>Theory & Practice of Art</i>)	...	3
Modern Language	3	3
SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Art 301-303 (<i>Painting</i>)	3	3
Modern Language	3	3
THIRD YEAR		
Social Science	3	3
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Art 305 (<i>History of Art</i>)	3	...
Art 307 (<i>Modern Art and Music</i>)	...	3
Electives	3	3
Electives (<i>Drama or Music</i>)	3	3
FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Fine Arts 410 (<i>Seminar in Fine Arts</i>)	3	3
Art 401-403 (<i>Sculpture</i>)	3	3
Electives	3	3
Electives	3	3

FINE ARTS—(DRAMA)

Please refer to page 72 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST	2ND
FIRST YEAR	SEMESTER	
English Composition	3	...
Introduction to Theatre	...	3
Philosophy 101-103	3	3
Humanities 101-103	3	3
Theology 301-303	3	3
Modern Language	3	3
SECOND YEAR		
Science 201-203	3	3
Humanities 201-203	3	3
Philosophy 201-203	3	3
Modern Language	3	3
Play Production (<i>Stagecraft</i>)	3	...
American Theatre	...	3
THIRD YEAR		
Social Science	3	3
Acting	3	...
Directing	...	3
Chief Patterns of Western Drama	3	...
Contemporary Drama	...	3
Electives (<i>Art & Music</i>)	3	3
Electives	3	3
FOURTH YEAR		
Theology 401-403	3	3
Oral Interp	3	...
Elective	...	3
Fine Arts seminar 410	3	3
Electives	3	3
Electives	3	3

FINE ARTS—(MUSIC)

Please refer to page 73 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101 (<i>Freshman Composition</i>)	3	...
Piano Class	1½	1½
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical & Medieval Civilization</i>)	3	3
Music 201 (<i>Introduction to Music</i>)	3	...
Music 203 (<i>Tonal Music</i>)	...	3
Modern Language	3	3
SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Music 301 (<i>Analysis of Music</i>)	3	...
Music 303 (<i>Composition</i>)	...	3
Modern Language	3	3
THIRD YEAR		
Social Science	3	3
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Music 305 (<i>History of Music</i>)	3	...
Music 307 (<i>Modern Art and Music</i>)	...	3
Electives	3	3
Electives (<i>Art and Drama</i>)	3	3
FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Fine Arts 410 (<i>Seminar in Fine Arts</i>)	3	3
Music 401 (<i>Choral Music and Conducting</i>)	3	...
Music 403 (<i>The Arts in Contemporary Religions</i>)	...	3
Electives	3	3
Electives	3	3

FRENCH LITERATURE CONCENTRATION

Please refer to page 82 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Modern Language	3	3

SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Modern Language	3	3
French 207-209 (<i>Survey of French Literature</i>)	3	3

THIRD YEAR		
Social Science	3	3
French 301 (<i>French Tragedy of the 17th Century</i>)	3	...
French 303 (<i>French Comedy of the 17th Century</i>)	...	3
French 310 (<i>Directed Reading in French Literature</i>)	3	3
Electives	3	3
Electives	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
French 401 (<i>French Poetry of the 19th Century</i>)	3	...
French 403 (<i>French Prose of the 19th Century</i>)	...	3
French 410 (<i>20th Century French Seminar</i>)	3	3
Electives	3	3
Electives	3	3

HISTORY CONCENTRATION

Please refer to page 75 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Modern Language	3	3

SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Modern Language	3	3
History 201-203 (<i>Growth of the American Nation</i>)	3	3

THIRD YEAR		
Social Science	3	3
History 210 (<i>Directed Reading in History</i>)	3	3
History electives advised by the department	3	3
Electives	3	3
Electives	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
History 410 (<i>Coordinating Seminar in History</i>)	3	3
History electives advised by the department	3	3
Electives	3	3
Electives	3	3

LATIN CONCENTRATION

Please refer to page 55 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Latin 105-107 (<i>Intermediate Latin</i>)	3	3

SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Modern Language or Greek	3	3
Latin 201 (<i>Roman Historians</i>)	3	...
Latin 203 (<i>Roman Lyric Poetry</i>)	...	3

THIRD YEAR		
Social Science	3	3
Modern Language or Greek	3	3
Latin 301 (<i>Patristic Latin</i>)	3	...
Latin 303 (<i>Medieval Latin</i>)	...	3
Latin 310 (<i>Directed Reading in Latin Literature</i>)	3	3
Electives	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Latin 401-403 (<i>Advanced Latin Prose Composition</i>)	3	3
Latin 410 (<i>Coordinating Seminar in Latin</i>)	3	3
Electives	3	3
Electives	3	3

MATHEMATICS CONCENTRATION

Please refer to page 80 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Physics 105-107 (<i>General Physics</i>)	4	4
Mathematics 105-107 (<i>Analytic Geometry and Calculus I</i>)	3	3

SECOND YEAR		
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Mathematics 201-203 (<i>Analytic Geometry and Calculus II</i>)	3	3
Social Science	3	3
Electives	3	3

THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Mathematics 307 (<i>Introduction to Modern Algebra</i>)	...	3
Mathematics 309 (<i>Elements of Linear Algebra</i>)	3	...
Mathematics electives advised by the department	3	3
Electives	3	3
Electives	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Mathematics 401-403 (<i>Advanced Calculus</i>)	3	3
Mathematics 410 (<i>Senior Seminar in Mathematics</i>)	3	3
Electives	3	3
Electives	3	3

PHILOSOPHY CONCENTRATION

Please refer to page 86 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST	2ND
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Modern Language	3	3

SECOND YEAR

Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Modern Language	3	3
Electives	3	3

THIRD YEAR

Social Science	3	3
Philosophy electives advised by the department	6	6
Electives	3	3
Electives	3	3

FOURTH YEAR

Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Philosophy 401-403 (<i>Metaphysics</i>)	3	3
Philosophy 410 (<i>Coordinating Seminar in Philosophy</i>)	3	3
Electives	3	3
Electives	3	3

PHYSICS CONCENTRATION

Please refer to page 88 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Physics 105-107 (<i>General Physics</i>)	4	4
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Chemistry 101-103 (<i>Introduction to Chemistry</i>)	4	4
Mathematics 105-107 (<i>Analytic Geometry and Calculus I</i>)	3	3

SECOND YEAR		
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Mathematics 201-203 (<i>Analytic Geometry and Calculus II</i>)	3	3
Chemistry 201-203 (<i>Physical Chemistry</i>)	5	5
Physics 201 (<i>Mechanics</i>)	3	...
Physics 203 (<i>Waves and Oscillations</i>)	...	3

THIRD YEAR		
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Modern Language or Social Science	3	3
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Modern Physics 301-303	4	4
Electives	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Physics 401-403 (<i>Electricity and Magnetism</i>)	4	4
Physics 410 (<i>Special Topics</i>)	4	4
Modern Language or Social Science	3	3
Electives	3	3

POLITICAL SCIENCE CONCENTRATION

Please refer to page 90 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST SEMESTER	2ND SEMESTER
FIRST YEAR		
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Modern Language	3	3

SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Modern Language	3	3
Political Science 201-203 (<i>Introduction to American Government</i>)	3	3

THIRD YEAR		
Social Science	3	3
Political Science 310 (<i>Directed Reading in American Constitutional History and Law</i>)	3	3
Political Science electives advised by the department	3	3
Electives	3	3
Electives	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Political Science 410 (<i>Coordinating Seminar in Political Theory</i>)	3	3
Political Science electives advised by the department	3	3
Electives	3	3
Electives	3	3

PSYCHOLOGY CONCENTRATION

Please refer to page 92 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

	CREDITS	
	1ST	2ND
FIRST YEAR	SEMESTER	
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Psychology 101 (<i>General Psychology</i>)	3	3
Psychology 103 (<i>Psychology and Social Problems</i>)	...	3
Elective	3	...
SECOND YEAR		
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Psychology 201 (<i>Statistics and Experimental Design</i>)	3	...
Psychology 205 (<i>Child Psychology</i>)	...	3
Psychology 203 (<i>Social Psychology</i>)	3	...
Electives	3	6
THIRD YEAR		
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Psychology 401 (<i>Personality Development</i>)	3	...
Psychology 403 (<i>Abnormal Psychology</i>)	...	3
Psychology 306 (<i>Experimental Psychology</i>)	4	4
Electives	5	5
FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Psychology 404 (<i>Tests and Measurements</i>)	3	3
Psychology 405 (<i>Physiological Psychology</i>)	3	...
Psychology 407 (<i>Systematic Psychology</i>)	...	3
Electives	3	3

SOCIOLOGY CONCENTRATION

Please refer to page 94 for the objectives, prerequisites, and requirements of this concentration and for the description of courses.

FIRST YEAR	CREDITS	
	1ST SEMESTER	2ND SEMESTER
English 101-103 (<i>Freshman Composition and Reading</i>)	3	3
Philosophy 101-103 (<i>Introduction to Philosophy</i>)	3	3
Humanities 101-103 (<i>Classical and Medieval Civilization</i>)	3	3
Theology 301-303 (<i>Sacred Scripture</i>)	3	3
Modern Language	3	3

SECOND YEAR		
Science 201-203 (<i>Basic Concepts of Science</i>)	3	3
Humanities 201-203 (<i>Renaissance and Enlightenment</i>)	3	3
Philosophy 201-203 (<i>Philosophy of Man and Ethics</i>)	3	3
Modern Language	3	3
Sociology 201 (<i>Introductory Sociology</i>)	3	...
Sociology 203 (<i>Research Methods</i>)	...	3

THIRD YEAR		
Social Science	3	3
Sociology electives advised by the department	3	3
Sociology 310 (<i>Directed Reading in Sociology</i>)	3	3
Sociology 301 (<i>Sociological Theories</i>)	3	...
Electives	3	3
Electives	3	3

FOURTH YEAR		
Theology 401-403 (<i>The Church in the Modern World</i>)	3	3
Sociology electives advised by the department	3	3
Sociology 410 (<i>Coordinating Seminar in Sociology</i>)	3	3
Electives	3	3
Electives	3	3



Courses of Instruction

UNDER THE HEADING of each department is a statement concerning the particular field of study, followed by a statement concerning the objectives of the department and the course requirements. Some of the departments offer a program of concentration, others do not. It is important for concentrators to be well acquainted with the offerings of their department. Courses are described in this section and notations are made concerning the prerequisites and the number of credits given.

Electives. Electives are an integral part of the St. Michael's *Plan of Studies* for they help meet the needs and interests of individual students. In order to avoid extreme specialization on the undergraduate level, *no student may elect more than fifty percent of his elective hours within his concentration or allied areas.* On the preceding pages the electives marked with an asterisk (*) indicate electives that may not be taken within the student's area of concentration.

Social Sciences. All students must take at least six hours of social science.

Seminars. All courses numbered 310 are Junior Concentration Development Courses. Their function is to give the student scope and background in his field of concentration, especially through the reading and discussion of books assigned. All courses numbered 410 are Senior Seminars. Their function is to begin to train the student in research and in the ability to coordinate the knowledge he has acquired in his field of concentration.

Courses 310 and 410 normally are open only to concentrators. They may be taken as electives by a non-concentrator only with permission of the Department Chairman.

DEPARTMENT OF AEROSPACE STUDIES

The Air Force Reserve Officer Training Corps programs are designed to develop skills and attitudes vital to the career Air Force officer. Two AFROTC programs currently exist at St. Michael's—the traditional four-year ROTC curriculum and the new two-year program.

FOUR-YEAR PROGRAM: This program encompasses the student's four years at college and consists of two educational levels: the General Military Course (freshman and sophomore years) and the Professional

Officer Course (junior and senior years). In addition to a formal course of study each year the program includes a 30-hour Corps Training program, a 36-hour flight training program for selected Professional Officer Course cadets, social activities, and cadet honorary society membership for selected cadets. Cadets are required to attend a four-week training session at an Air Force Base in the summer between the junior and senior years.

TWO-YEAR PROGRAM: This program is available to students who did not have the opportunity to take the General Military Course in their freshman and sophomore years or did not elect to do so. It is also available to transfer students who will spend a minimum of two years at this college, either in graduate or undergraduate status. Selection for this program is on a competitive basis with priority given to those students who can qualify for pilot or navigator categories. Those selected must first attend a 6-week Field Training session at an Air Force Base in the summer between their sophomore and junior years then enter directly into the Professional Officer Course during their last two years at school.

THE PROFESSIONAL OFFICER COURSE (POC) (junior and senior years): is designed to encourage cadets to think critically and creatively by active participation in student-led discussions and projects. The end result upon successful completion of the course is a commission as a second lieutenant in the United States Air Force.

CORPS TRAINING: The Corps Training program provides the AFROTC cadet opportunities for leadership training and experience in a supervised environment. It involves an organized cadet corps commanded by a Cadet Commander and his staff under general policies prescribed by the Professor of Aerospace Studies. Corps Training is conducted on an average of four hours a month for both four-year and two-year program cadets.

GENERAL INFORMATION

Uniforms: Uniforms and all equipment are furnished by the college. Students are responsible for the proper care and cleanliness of uniforms and equipment placed in their custody.

Subsistence Pay: There is no pay for students in the General Military Course. Students in the Professional Officer Course receive subsistence pay of fifty dollars (\$50.00) per month.

Financial Assistance Grant: Cadets in the four year program with a cumulative Grade Point Average of 2.5 or better may apply for Financial Assistance Grants. Each grant provides for a full payment of tuition,

laboratory and associated fees, an allowance for textbooks, and a tax free payment of \$50.00 per month while the student is in school and on financial assistance grant status.

101 WORLD MILITARY SYSTEMS (Freshman Four-year Program) *Fall semester*

An introductory course exploring the causes of the present world conflict, the role and relationship of military power to that conflict, and the responsibilities of an Air Force Officer. This includes a study of the interrelationships of national power factors; a comparative analysis of the Democratic and Communist ideologies; patterns of conflict relative to the confrontation between opposing ideologies; and the role of military power as a facet of national policy. A study of world military forces is begun through treatment of the U. S. Department of Defense and the doctrine, mission and functions of the United States Air Force.

Two class hours per week. One Corps Training hour per week, in both semesters. Two credits.

203 WORLD MILITARY SYSTEMS (Sophomore Four-year Program) *Spring semester*

AS 203 continues the study of world military forces and the political military issues surrounding the existence of these forces. This includes a study of the United States Army and the United States Navy, their doctrines, missions, and employment concepts; a study of the military forces of NATO, CENTO, SEATO, and their role in free world security; and in an investigation of the military forces of the USSR, the Soviet Satellite Armies, and the Chinese Communist Army. The AS 203 phase concludes with an analysis of the trends and implications of world military power.

Two class hours per week. One Corps Training hour per week, in both semesters. Two credits.

250 SIX-WEEK FIELD TRAINING (Two-year Program only)

This provides a direct avenue of entry into the POC for qualified students who have not completed the General Military Course (AS 101 and AS 203). Its graduates may be enrolled in the POC as members of the two-year program.

301 GROWTH AND DEVELOPMENT OF AEROSPACE POWER, I *Fall semester*

A survey course concerned with the development of airpower in the United States; mission and organization of the Defense Establishment; Air Force concepts, doctrine and employment.

Three class hours per week. One Corps Training hour per week. Three credits.

303 GROWTH AND DEVELOPMENT OF AEROSPACE POWER, II *Spring semester*

A survey course concerned with astronautics and space operations including space vehicle systems, manned space flight and operations in space; the future development of Aerospace Power.

Three class hours per week. One Corps Training hour per week. Three credits.

350 FOUR-WEEK FIELD TRAINING (Four-year Program only)

This provides those educative experiences more appropriate to an Air Force Base than a campus, and is taken by POC cadets in the four-year program, usually at the end of their junior year.

401 THE PROFESSIONAL OFFICER, I

Fall semester

A study of military professionalism. Includes the principles of leadership, professional responsibilities, the military justice system, and Air Force personnel policies.

Three class hours per week. One Corps Training hour per week. Three credits.

403 THE PROFESSIONAL OFFICER, II

Spring semester

A continuation of the study of military professionalism. Includes channels of communication, problem solving techniques, principles and functions of management, data processing, and Air Force controls. Also includes a five-hour block of briefing for Commissioned Service.

Three class hours per week. One Corps Training hour per week. Three credits.

DEPARTMENT OF BIOLOGY

The concentration in Biology is a core program that introduces the students to the major areas of biological knowledge. The program offers a general and special syllabus either of which qualifies the successful student for admission to programs leading to careers in teaching, research, health professions (e.g. medicine and dentistry), government and industry.

The general program requires a Biology Tutorial during the sophomore year. During the Senior year a comprehensive paper based on the literature concerning a biological problem must be satisfactorily presented to the biology faculty as part of the degree requirement.

The special program substitutes Ecology and Vertebrate Biology for the Biology Tutorial in the sophomore year. Microbiology and a four credit elective are taken in the Junior year, along with Cell Biochemistry and Genetics. In the Senior year a laboratory or field research project must be satisfactorily completed and the results presented in written form and in a seminar as part of the degree requirement.

The decision as to which program the student will follow will ordinarily be made in consultation with his Biology faculty advisor at the end of the freshman year. Both programs require 130 credits for graduation.

Required of all concentrators: Biology 101-103 (General Biology); Biology 321 (Ecology); Biology 307 (Vertebrate Biology); Biology 301 (Cell Biochemistry); Biology 323 (Genetics); Biology 405 (Microbiology); Biology 410 (Biology Seminar); Chemistry 101-103 (General

Chemistry); *Physics 101–103 (General Physics)*; *Mathematics 101–103 (Analytical Geometry and Calculus I)*; *Chemistry 301–303 (Organic Chemistry)*.

Chemistry 307 (Analytical Methods) is recommended for all medical school applicants.

101-103 GENERAL BIOLOGY

Two semesters

A comprehensive consideration of the basic biological concepts that are fundamental to understanding the structural organization, development and functions of plants and animals. An introduction to coordination and control systems is presented. The laboratory is designed to give the student fundamental experience in using methods of biological observation and experimentation.

The second semester provides an introduction to molecular, cellular, organismal and community relationships of living things. An introduction to molecular and classical genetics is included.

Three lectures and a laboratory each week. Four credits each semester.

205-207 BIOLOGY READING TUTORIAL

Two semesters

A reading, writing and discussion program in which the student learns to explore the fundamental sources of biological knowledge; can extend and/or remedy any area of basic biological concepts that was considered during the general course and may explore biological problems towards which interest is motivated. A close learning rapport is provided between the student and teacher.

Two hours per week and personal consultations. Two credits each semester.

301 CELL BIOCHEMISTRY

Fall semester

An introduction to the molecular basis of structure and function in living organisms. The laboratory considers various qualitative and quantitative biochemical techniques. The interpretation of laboratory data is stressed.

Three lectures and a laboratory each week. Four credits.

307 VERTEBRATE BIOLOGY

Spring semester

A treatment of the comparative gross anatomy of selected vertebrate types and a detailed study of the microanatomy and physiology of the fundamental tissues. The laboratory consists of a dissection of the organ-systems of certain vertebrate types and a study of the histology of mammalian tissues at both light and electron (micrographs) microscope levels.

Three lectures and a laboratory each week. Four credits.

321 ECOLOGY

Fall semester

The study of the responses of animals and communities to environmental change. Concepts of physical and biotic factors and their effects on the abundance and distribution of animals. Principles of population structure, growth and energy flows in communities. Laboratories stress surveys of local habitats and modern techniques of ecological research.

Three lectures and a laboratory each week. Four credits.

323 GENETICS

Spring semester

An in-depth introduction to basic Mendelian and nonmendelian genetics as well as molecular and population genetics. Laboratory experience will include problem analysis in *Drosophila* and experiments utilizing bacteria, viruses, and fungi.

Three lectures and a laboratory each week. Four credits.

405 MICROBIOLOGY

Fall semester

A study of the structure, development, growth and integration of organisms classified as bacteria, algae, and fungi; also the viruses. Lectures and laboratory work on techniques, physiology, and cell biology of a variety of microscopic organisms.

Three lectures and a laboratory each week. Four credits.

407 PLANT PHYSIOLOGY

Spring semester

A study of the functions of plants of bio-organization from the subcellular to the organism showing the integration of cells, tissue systems, and the plant body. Lecture and laboratory experience in different aspects of the physiology of the living plant.

Three lectures and a laboratory each week. Four credits.

409 COMPARATIVE PHYSIOLOGY

Spring semester

A comparative study of the physiological adjustments of animals in response to a continually changing environment. Comparison of the various physiological processes of animals. Labs emphasize independent studies on the response to stress by various animals.

Three lectures and a laboratory each week. Four credits.

410 BIOLOGY SEMINAR

Two semesters

During the Fall semester the seminar topics are directed towards consideration of the environmental, paleontological and contemporary evidences for evolutionary theory. The Spring term seminars are open to special topics presented by the participants. The significant experimental data and its interpretation in relation to the problem investigated is emphasized. Group discussion is keynoted.

Two hours each week. Two credits each semester.

420 SENIOR RESEARCH

Two semesters

The Senior student in the special program is required to write a proposal for conducting an experimental or investigative problem under the direction of a member of the Biology faculty and do this problem in the laboratory or field. The results must be reported in written form and presented in a seminar.

Two credits each semester.

*22 HISTOLOGY

One semester

A study of the microscopic anatomy of the fundamental animal tissues and of their functions and modes of origin. Techniques of fixing, embedding, cutting and staining tissues are also studied.

Three lectures and a laboratory each week. Four credits.

***36 EMBRYOLOGY**

One semester

Analysis of developmental processes in selected vertebrate types, integrating the descriptive morphological, the comparative, and the modern experimental physiological approach.

Three lectures and a laboratory each week. Four credits.

***37 MAMMALIAN PHYSIOLOGY**

One semester

The course deals with the study of the functions and mechanisms involved in maintaining homeostasis at organ system levels.

Three lectures and a laboratory each week. Four credits.

Elective courses available on alternate years.

* Elective courses available at Trinity College on alternate years.

DEPARTMENT OF CHEMISTRY

The Department of Chemistry offers to meet the needs of those students whose primary interest is chemistry and who intend to pursue graduate studies or enter directly into industry. It also provides courses in chemistry to supplement studies in the other disciplines.

The concentration in chemistry should be chosen only by students who have a good aptitude for the physical sciences. Students who plan to attend graduate school should bear in mind that a reading knowledge of French and German may be required.

Required of concentrators: Chemistry 101-3, 201-3, 301-3, 305-7, 401-3, 410, 413, 415, 421-423; Mathematics 105-7 and 201-3; Physics 105-7.

105-107 INTRODUCTION TO CHEMISTRY

Two semesters

This course is an introduction to atomic structure, chemical bonding, equilibria, kinetic molecular theory, thermodynamics and electrochemistry. The laboratory consists of the study and application of the methods of qualitative and quantitative inorganic analysis.

Three lectures and one laboratory each week. Eight credits.

201-203 PHYSICAL CHEMISTRY

Two semesters

This course considers the laws and energy relationships which describe physical states and chemical processes. It includes a detailed study of thermodynamics, physical states of matter, kinetics, equilibria and modern structural concepts.

Prerequisites: Math 105-7; Physics 105-7 (may be taken concurrently).

Three lectures and two laboratories each week. Ten credits.

301-303 ORGANIC CHEMISTRY

Two semesters

A study of organic reactions with emphasis on functional groups, reactive intermediates, reaction mechanisms and synthesis. The laboratory consists of the study and application of the methods for functional group characterization (chemical and spectroscopic) and the preparation of derivatives.

(Designed for Chemistry Concentrators)

Three lectures and two laboratories each week. Ten credits.

(Designed for Biology Concentrators)

Three lectures and one laboratory each week. Eight credits.

305 INORGANIC CHEMISTRY

Fall semester

A study of atomic structure and periodicity, nuclear structure and reactions and inorganic synthesis.

Three lectures each week. Three credits.

307 ADVANCED INORGANIC CHEMISTRY

Spring semester

A study of stereochemistry and reaction mechanisms in inorganic chemistry.

Three lectures each week. Three credits.

401 ADVANCED ORGANIC CHEMISTRY

Fall semester

A comprehensive study of modern organic synthesis with emphasis on reaction mechanisms and stereochemistry.

Three lectures each week. Three credits.

403 PHYSICAL ORGANIC CHEMISTRY

Spring semester

A study of organic reactions with emphasis on rates, activation parameters, molecular orbitals and symmetry.

Three lectures each week. Three credits.

410a-410b SEMINAR

Two semesters

Each student will present a series of seminars from current chemical literature. In addition, each student will defend orally an original research proposal. This proposal should demonstrate a comprehension of current chemical problems and an appreciation for the experimental method.

Two credits.

413 ANALYTICAL CHEMISTRY: INSTRUMENTAL METHODS

Fall semester

This course presents the theoretical and practical aspects of instrumental analytical chemistry. The laboratory consists of electrochemical, spectrometric, chromatographic, and radiometric methods of analysis.

Three lectures and two laboratories each week. Five credits.

415 ADVANCED PHYSICAL CHEMISTRY

Spring semester

An introduction to quantum mechanics, statistical thermodynamics and reaction rate theory.

Three lectures each week. Three credits.

421-423 SENIOR RESEARCH

Two semesters

The laboratory work consists of a research effort designed to introduce current chemical research problems.

Two credits.

DEPARTMENT OF CLASSICS

The Department of Classics offers courses in Latin and Greek for students who wish to develop a capacity to read the literature written in those languages. It offers also courses in the history of Greek and Roman civilization and literature in translation for all interested students.

A program of concentration is offered in Latin for those students who plan to do graduate work in Classical or Romance languages and in the field of ancient or medieval history, and for those who expect to teach Latin in the secondary schools or those who are interested in the cultural value of the Classics. The following are the objectives of the program:

1. to develop the student's ability to read and translate at sight representative works of Latin authors;
2. to teach the student skill and style in Latin composition, conversation and prosody;
3. to develop an understanding of the lasting contribution of Graeco-Roman civilization to our culture and way of life.

Required of concentrators: Latin 105-7, 201-3, 301, 303, 310, 401-3, 410.

Recommended elective: Greek 101-3, 201-3; History 301, 303; Classical Civilization 305-7.

GREEK

101-103 ELEMENTARY GREEK

Two semesters

Introduction to the forms, vocabulary and syntax of classical attic Greek. Selected readings from Xenophon and Plato.

Three class hours each week. Six credits.

201-203 GREEK PROSE LITERATURE

Two semesters

Study of the fundamentals of Classical Greek. Selected readings from Demosthenes, Plato and Thucydides.

Three class hours each week. Six credits.

301-303 GREEK POETRY

Two semesters

Selected readings from Homer, Hesiod, Sappho, Alcaeus, Aeschylus, Sophocles, Euripides and Aristophanes.

Three class hours each week. Six credits.

LATIN

101-103 ELEMENTARY LATIN

Two semesters

An introduction to the basic forms, vocabulary and syntax of Latin.

Three class hours each week. Six credits provided a second year course is satisfactorily completed.

105-107 INTERMEDIATE LATIN

Two semesters

A review of the basic structure and idioms of the Latin language. The aim of this course is to develop a reasonable ability in reading, translation, composition and conversation.

Prerequisite: two years of high school Latin, or Latin 101-103.

Three class hours each week. Six credits.

201 ROMAN HISTORIANS

Fall semester

Selected readings from Sallust, Cicero, Caesar, Livy and Tacitus with lectures and readings on the development of historical writing in Rome.

Prerequisite: Latin 105-107.

Three class hours each week. Three credits.

203 ROMAN LYRIC POETRY

Spring semester

Selected readings from Catullus, Horace and Vergil. A study of Roman poetical forms and genres.

Prerequisite: Latin 105-107.

Three class hours each week. Three credits.

301 PATRISTIC LATIN

Fall semester

Readings from St. Augustine's *Confessions* and *City of God*, and from prose and poetry writings of other Latin Church Fathers.

Three class hours each week. Three credits.

303 MEDIEVAL LATIN

Spring semester

A survey, through selected readings, of the secular and religious poetry and prose from the sixth to the thirteenth century A.D.

Three class hours each week. Three credits.

310 DIRECTED READING IN LATIN LITERATURE

Two semesters

From authors not usually covered in formal courses. Reading program suited to individual requirements and preference will be chosen by the students under direction of the instructor. Student reports, written and oral, will be discussed.

Two meetings each week. Six credits.

401-403 ADVANCED LATIN PROSE COMPOSITION

Two semesters

A study of Latin rhetoric with particular emphasis on the appreciation of the differences between formal, oratorical and epistolary style. Translation and composition based on selected models from Latin literature.

Two meetings each week. Six credits.

410 COORDINATING SEMINAR IN LATIN

Two semesters

Reading program begun in the junior year is continued from a second area of concentration. Two research papers, a philological and historical study are required from each concentrator. Written and oral reports will form the basis of discussion for the meetings.

Two meetings each week. Six credits.

CLASSICAL CIVILIZATION

301 HISTORY OF GREECE

Fall semester

A study of the political and social history of Greece, with some consideration of the Oriental civilizations by which the Greeks were influenced.

Three meetings each week. Three credits.

303 HISTORY OF ROME

Spring semester

A study of the political and social history of Rome from the origins to the Fourth Century of the Christian Era.

Three meetings each week. Three credits.

305-307 ROMAN POLITICAL INSTITUTIONS

Two semesters

The origin and growth of the Roman constitution and the evolution of Roman society and government from the origin of Rome to the empire.

Three meetings each week. Six credits.

401-403 CLASSICAL LITERATURE IN TRANSLATION

Two semesters

Reading in English of outstanding masterpieces of Greek and Roman authors. Lectures and discussions will attempt to provide the student with understanding and appreciation of ancient literature and its unending influence on modern literary forms.

Three meetings each week. Six credits.

DEPARTMENT OF ECONOMICS AND
BUSINESS ADMINISTRATION

THE CONCENTRATION IN ECONOMICS

The program in Economics has as its aims (1) the understanding of economic theory and economic institutions and (2) the development of the ability to use the tools needed to analyze the major economic problems

of society. Graduates usually pursue careers in business or government or enter graduate schools.

Required courses: Economics 101-103, 205-207, 301, 311, 313, 405 or 407, 410.

THE CONCENTRATION IN BUSINESS ADMINISTRATION

The concentration in Business Administration is designed to develop an awareness of the structure of the business firm and to examine the decision making processes of the management function. Students are prepared to accept administrative positions in business, government, and other organizations or to continue on with further education on the graduate level.

Required courses: Economics 101-103, Business 105-107, 201-203, 207, 208, 303, 305, 315-317, 410.

ECONOMICS

101-103 PRINCIPLES OF ECONOMICS

Two semesters

The nature and scope of economics; the characteristics of the present economic system; elementary concepts concerning national income, banking and markets, together with problems arising from the operation of our economy.

Three class hours each week. Six credits.



107 ELEMENTS OF ECONOMICS

Fall and spring semesters

An introductory study of basic economic institutions and selected economic problems. The basic principles of economic analysis and formulation of economic policy are considered.

Open only to non-concentrators in Economics or Business.

Three class hours each week. Three credits.

205-207 QUANTITATIVE METHODS I AND II

Two semesters

Introduction to quantitative concepts and basic mathematical and statistical procedures used by economists.

Prerequisite: Economics 101-103

Three class hours each week. Six credits.

301 HISTORY OF ECONOMIC THOUGHT

Fall semester

This course traces the dominant economic spirit of the western world from Aristotle to the present through a study of leading schools of economic thought and the philosophical assumptions of various economists. Pre-capitalism and capitalism are compared and contrasted.

Three class hours each week. Three credits.

303 ECONOMIC HISTORY OF THE UNITED STATES

Spring semester

An analysis of the development of the American economy since Colonial times. Emphasis on the interplay between prevailing economic theory, political attitudes, and industrialization in the evolution of current regulating and countercyclical policies and institutions.

Three class hours each week. Three credits.

311 INCOME AND EMPLOYMENT

Fall semester

A study of measurements, growth, and stability of aggregate economic activity with emphasis on static and dynamic theoretical techniques to ascertain the effectiveness of fiscal and monetary policy in dealing with unemployment and inflation.

Prerequisite: Economics 101-103, 205-207

Three class hours each week. Three credits.

313 PRICE SYSTEM AND RESOURCE ALLOCATION

Spring semester

Utility and Indifference curve analysis. Business firm behavior under conditions of perfect and imperfect competition. Pricing of products and productive resources. Introduction to general equilibrium and welfare economics.

Prerequisite: Economics 101-103, 205-207

Three class hours each week. Three credits.

315 COMPARATIVE ECONOMIC SYSTEMS

Fall semester

Comparison of influential theories of major contemporary economic systems: private capitalism, state capitalism, Marxism, demotic socialism.

Three class hours each week. Three credits.

317 INTERNATIONAL ECONOMICS

Spring semester

Current problems in international economic relations; exchange rate theory, international economic mechanism, customs unions, and related issues.

Three class hours each week. Three credits.

321 ECONOMIC DEVELOPMENT

Fall semester

Analytical survey of significant factors affecting economic development with particular reference to low-income countries. Theories of economic growth and development.

Three class hours each week. Three credits.

405 FINANCIAL AND CREDIT INSTITUTIONS

Spring semester

A study of the influence of the commercial banking system, the Federal Reserve, and the Treasury on determination and control of money, credit, and interest rates in relation to aggregate economic activity.

Prerequisite: Economics 311.

Three class hours each week. Three credits.

407 PUBLIC FINANCE

Spring semester

Government finance and the economy. An examination of public debt, financial policy, principles and effects of taxation, and the coordination of federal, state, and local taxes.

Three class hours each week. Three credits.

410 COORDINATING SEMINAR IN ECONOMICS

Two semesters

Current economic theories and problems are considered. Individual studies are prepared by the students and use is made of round-table discussions. Open to concentrators only.

Two meetings each week. Six credits.

413 INTRODUCTION TO ECONOMETRICS

Fall semester

An introduction to the quantitative analysis of economic principles, theories, and problems. Prediction, identification, and decision making under uncertainty.

Prerequisite: Economics 205-207.

Three class hours each week. Three credits.

BUSINESS ADMINISTRATION

105-107 MATHEMATICS FOR MANAGEMENT

Two semesters

A consideration of the mathematical tools found useful in business decision making. Topics include set theory, probability theory, matrix algebra, game theory, and an introduction to the calculus.

Three class hours each week. Six credits.

201-203 INTRODUCTORY ACCOUNTING

Two semesters

Accounting as an important aid to management. Much time is devoted to demonstrating how accounting data can be used to assist in decision making and control. Business transactions are analyzed and recorded in order to assemble financial data, which is then interpreted for management.

Three class hours each week. Six credits.

207 STATISTICS

Fall semester

Elementary theory and techniques of statistical inference. Enumerative and analytical studies, acceptance sampling and problems in testing and estimation.

Prerequisite: Business 105-107

Three class hours each week. Three credits.

208 BUSINESS LAW

Spring semester

The fundamentals of the law of contracts, sales, negotiable instruments, partnerships, and corporations.

Three class hours each week. Three credits.

303 INDUSTRIAL MANAGEMENT

Fall semester

All the important activities of manufacturing management including production control, quality control, time and motion study, and human relations are covered.

Three class hours each week. Three credits.

305 MARKETING

Spring semester

Marketing structure, marketing principles, physical distribution, and advertising psychology are studied. The quantitative approach to the case method is used with emphasis on the social aspects of marketing.

Three class hours each week. Three credits.

311 INTRODUCTION TO ELECTRONIC DATA PROCESSING

Fall semester

This course acquaints the students with the general concepts of computers and includes a description of the organization of electronic data processing systems as well as the fundamentals of programming.

Three class hours each week. Three credits.

315-317 FINANCIAL POLICIES OF CORPORATIONS

Two semesters

Methods and problems of financial management. Capital budgeting, methods of financing, asset management, corporate expansion and contraction, and the fundamentals of financial analysis are considered.

Prerequisites: Business 105-107, 207, 201-203.

Three class hours each week. Six credits.

319 BUSINESS COMMUNICATIONS

Spring semester

Theory and practice in all matters pertaining to the Business Report; style, accuracy, readability, use of illustrations, and other areas are covered.

Three class hours each week. Three credits.

325 PRINCIPLES OF SALESMANSHIP

Fall semester

The requirements of the salesman in today's competitive world using a consumer-oriented approach. Special emphasis is given to the psychological and behavioral considerations of selling.

Three class hours each week. Three credits.

327 HUMAN RELATIONS IN INDUSTRY

Fall semester

A study of new management concepts in the field of employer-employee relations.

Three class hours each week. Three credits.

329 SALES MANAGEMENT

Spring semester

Through case studies attention is focused on the dynamic area of sales strategy as it is planned, implemented, and controlled in business.

Three class hours each week. Three credits.

405 PRINCIPLES OF ADVERTISING

Fall semester

A broad study of advertising including its planning, creation, and use. The course reviews all media operations and attempts to lead the student through as much practical application as possible.

Three class hours each week. Three credits.

407-409 ADVANCED ACCOUNTING

Two semesters

An advanced course in accounting theory and practice; complex problems of accounting for partnerships and corporations; problems connected with the valuation of all asset, liability, and net worth accounts, the analysis of statements, and other topics of an advanced nature.

Prerequisite: Business 201-203.

Three class hours each week. Six credits.

410 COORDINATING SEMINAR IN BUSINESS

Two semesters

A consideration of the problems and responsibilities of business in the modern world. Political, social, economic, and ethical questions are discussed. Reserved for concentrators.

Three class hours each week. Six credits.

411 INVESTMENTS

Fall semester

Various types of securities and the markets in which they are traded are described.

Three class hours each week. Three credits.

413 INVESTMENT MANAGEMENT

Spring semester

The fundamentals of investment analysis and the technical aspects of the securities markets are presented. Some problems involved in the creating and managing of investment portfolios are also considered.

Prerequisite: Business 411.

Three class hours each week. Three credits.

415-417 TAX ACCOUNTING

Two semesters

Accounting for Federal Income Tax purposes, with concentration on the Internal Revenue Code and recent changes. Tax returns for individuals, corporations, estates, and trusts are stressed with attention given to various information returns.

Three class hours each week. Three credits.

423 MARKETING STRATEGY

Spring semester

A study of actual cases in the field of marketing to test the student's application of principles learned in the basic marketing course.

Prerequisite: Business 305.

Three class hours each week. Three credits.

DEPARTMENT OF EDUCATION

The prospective teacher candidate may be attracted to the teaching profession by such opportunities and advantages as economic security and tenure, social prestige, cultural opportunities, intellectual association, the indulgence of life-long interests in ideas and books, pleasant working conditions and an adequate income; but we would prefer that his basic motivation stem from the realization of the nobleness and importance of the teacher's vocation wherein he may serve God and country by dedicating his life to the development and training of the minds and spirits of youth.

The teacher has a vital and lasting influence upon the lives of his pupils. He assists them to acquire the tools of knowledge and instills in them an abiding desire to use those tools; he stimulates them to think for themselves; he inculcates in them, by precept and example, high ideals and points the way to the realization of those ideals; he teaches them to discipline themselves.

There is at present a heavy demand for well-trained secondary school teachers in all fields and conservative estimates indicate that this demand will be even greater during the next decade and thereafter. Thus both the immediate and long-range opportunities for employment are excellent.

For those interested in administrative and specialized careers in education it may be pointed out that teaching experience is a prerequisite for those positions. A great number and variety of responsible and rewarding positions are open to men teachers whose interests and talents lie in such fields.

To achieve success in the vocation of teaching the prospective teacher candidate should possess the following characteristics: exemplary character, above-average scholarship, proficiency in oral and written expres-

sion, interest in young people, pleasing and well-rounded personality, good health, desire to teach.

The basic format of the five-year Teacher Education program is:

1. Concentration in subject field during undergraduate years, leading to A.B. degree at end of fourth year.
2. Electives in Education during third and fourth years.
3. A fifth year program comprising a full scholastic year with teaching laboratory experience, and two summer sessions, leading to a Master of Arts in Teaching degree.

301 PSYCHOLOGICAL FOUNDATIONS OF EDUCATION

Fall semester

An introduction to the basic applications of learning psychology, social psychology, measurement and evaluation, as applied to the learner and to the school.

Three class hours each week. Three credits.

303 INSTRUCTIONAL THEORIES AND PRACTICES IN EDUCATION

Spring semester

An introduction to the principal methods of instruction, practices in classroom management, organization of instruction, curriculum organization and trends.

Prerequisite: Education 301.

Three class hours each week. Three credits.

305 HISTORICAL FOUNDATIONS OF EDUCATION

Fall semester

An examination of the historical origins of contemporary theories and practices in American education.

Three class hours each week. Three credits.

307 PSYCHOLOGY OF THE ADOLESCENT

Spring semester

An intensive study of the development of the American adolescent in terms of theory and research, with special attention to contemporary problems which confront them.

Three class hours each week. Three credits.

309 PHILOSOPHICAL FOUNDATIONS OF EDUCATION

Spring semester

A consideration of basic questions in education, the nature and ends of education, the nature and role of the intellectual and moral virtues, and the function of education, from historical and doctrinal frames of reference.

Three class hours each week. Three credits.

311 STATISTICS IN BEHAVIORAL SCIENCE

Fall semester

An introduction to the descriptive techniques of statistical analysis. In particular the course will consider the organization of data, the measurement of central tendency, variability, correlation, regression, and other tests of significance.

Three class hours each week. Three credits.

313 RESEARCH IN BEHAVIORAL SCIENCE

Spring semester

Types of research, hypothesis formulation, research models, data collection and analysis, presentation of findings, application of findings.

Three class hours each week. Three credits.

DEPARTMENT OF ENGLISH

Most students are required to take a one-semester course in writing in their first year (English 101, College Writing). This course seeks to improve the student's writing through constant practice and through analytical reading. Some students may substitute English 103, Introduction to Literary Studies, for English 101, if the department finds that he has already received the values of the College Writing course from his earlier education. English 103, taken by concentrators in their first or second year, seeks to give the student a critical vocabulary and to instruct him in the close reading of literature.

Other concentration courses offer further instruction in literature and in language and in some of the major writers and periods. In addition to fulfilling the department requirements listed below in italics, the student should choose his courses so as to study both early and recent writers and periods and both individual writers (Chaucer, Milton) and whole eras (courses presented chronologically).

The courses in Humanities (Life and Thought of Western Man) required of all students supplement English courses by surveying history, literature, and the fine arts and by studying in translation selected masterpieces of the ancient and modern literatures of continental Europe.

In all the above courses English concentrators are expected to maintain a reasonably high level of written expression in tests, examinations, and in short and long papers. Notable deficiencies in the fundamental decencies of writing should be regarded as a serious impediment to concentration in English. In fact, students with a grade below B in English 101 will be discouraged from continuing in English as a field of concentration.

Only students who like to read both poetry and prose and who have some facility in writing should become English concentrators. No student not already proficient in the use of the language should consider concentrating in English.

Students transferring into English from other concentrations must have an overall 2.0 grade point average and departmental approval. The concentration itself should give the interested student excellent preparation for college teaching and advanced research; for junior and senior high school teaching; and for careers in law, business, government, journalism, radio, television, public relations, and the military services.

Required of most students in the freshman year: English 101. Required of concentrators: English 103, 347, 410, and any other combination of English courses which will bring the total number of hours to

thirty, exclusive of English 101. Concentrators may also take Drama 301 or 303 for English Department credit.

101 COLLEGE WRITING

Fall and spring semester

The aim of this course is to help the student improve his writing. To this end, various obstacles to effective communication are discussed, good examples of the art are read, and the student is encouraged—as well as required—to write. Half the entering Freshman class takes College Writing in the Fall; the other half in the Spring. Required of all Freshmen unless exempted or enrolled in History 110.

Three class hours each week. Three credits.

103 INTRODUCTION TO LITERARY STUDIES

Fall semester

The course will offer the student intensive training in the close reading of poems, plays, and short stories. Students will acquire a critical vocabulary and master basic concepts of literary form, structure, and technique. Required of concentrators in their first or second year.

Three class hours each week. Three credits.

211 GENRES: POETRY, SHORT STORY, NOVEL, DRAMA

Fall semester

An introduction to literary genres with writing based on readings. Open to non-concentrators as well as Freshman and Sophomore concentrators.

Three class hours each week. Three credits.



215-217 MAJOR DEVELOPMENTS IN ENGLISH LITERATURE

Two semesters

Broad studies of literary periods, movements, ideas, and writers from Beowulf to the present. Primarily for non-concentrators; concentrators may take this in their first or second year.

Three class hours each week. Three credits each semester.

*224-226 CREATIVE WRITING

Fall and spring semesters

Conducted as a workshop, this course will have no regular schedule of lectures. Instead each student will be expected to contribute material in his chosen genre. The stories, poems, and plays will be duplicated, distributed to the class in advance of the meeting and then discussed. An important part of this course will be individual consultation with the workshop director. Each student will complete a sustained work of the imagination—a novel, a play, a collection of poems or stories. Open to all students with the director's permission. Enrollment limited to ten.

Three class hours each week. Three credits.

301 CHAUCER

Spring semester

Each of the *Canterbury Tales*, except for the two prose treatises, is closely read and is discussed in class. The student also reads *Troilus and Criseyde* and a volume of scholarly and critical papers.

Three class hours each week. Three credits.

303 SHAKESPEARE

Fall semester

A study of Shakespeare's important works.

Three class hours each week. Three credits.

305 THE ROMANTIC POETS

1971-2

A study of Wordsworth, Coleridge, Byron, Shelley, and Keats.

Three class hours each week. Three credits.

307 MILTON

Spring semester

A study of Milton's important works.

Three class hours each week. Three credits.

317 MAJOR CONTEMPORARY AUTHORS

A study of selected representative British and American writers of the twentieth century. Whenever possible, arrangements will be made concerning material to be studied with the students preregistering for the course during the preceding semester.

Three class hours each week. Three credits.

319-321 MODERN WORLD LITERATURE

Two semesters

This course draws its material from several modern languages including English, French, Spanish, German, and Italian. Students prepared to read works in the original language will be encouraged to do so; otherwise they will be read in translation.

Three class hours each week. Three credits each semester.

323 THE ART OF FILM

1971-2

The course examines in detail the various elements of film as an independent but integrated art form. Students will view and criticize a minimum of twelve films during one semester.

Three class hours each week. Three credits.

*325 FILM WORKSHOP

1971-2

The course involves the student in script-writing and in the planning and production of short experimental films. Enrollment will be limited to ten students admitted by consent of the instructor, and a modest materials fee will be charged for the course.

Three class hours each week. Three credits.

327 TWENTIETH CENTURY POETRY

Fall semester

The poetry and esthetic theory of Yeats, Pound, Eliot, Williams, Stevens, Marianne Moore, Auden, Dylan Thomas. Some reading in other contemporary poets.

Three class hours each week. Three credits.

*329 SEMINAR ON PROSE STYLE

Spring semester

A study of the development of prose style from the seventeenth to the twentieth century. Readings in Donne, Browne, Dryden, Gibbon, Swift, Thoreau, and others. Analysis of passages.

Two meetings each week. Three credits.

331 RENAISSANCE LITERATURE

Fall semester

A study of the poetry and prose of the renaissance in England.

Three class hours each week. Three credits.

333 SEVENTEENTH CENTURY LITERATURE

Spring semester

A study of the prose and poetry of the seventeenth century.

Three class hours each week. Three credits.

335-337 THE ENGLISH NOVEL

Two semesters

A study of a variety of forms and themes in English fiction from the Renaissance to the twentieth century. Major emphasis will be on eighteenth and nineteenth century writers, but materials will not be approached chronologically.

Three class hours each week. Three credits each semester.

341 MAJOR BRITISH WRITERS

1971-2

An extensive study of the work of a few selected important British writers.

Three class hours each week. Three credits.

343 SEMINAR IN MAJOR AMERICAN WRITERS

Spring semester

An extensive study of the works of two or three major American writers. Some combinations might be Cooper-Hawthorne-Melville, Poe-Emerson-Whitman, Twain-James, Fitzgerald-Hemingway.

Three class hours each week. Three credits.

345 *Advanced College Writing*

Spring semester

An intensive study of and practice in writing. For students whose native language is English or by permission.

Three class hours each week. Three credits.

347 ADVANCED LITERARY STUDIES

Spring semester

Students will begin to work with theoretical critics (Frye, Booth, Auerbach, Lukacs, et al) and will attempt integrative and evaluative work in one or more critical theories (psychological, sociological, moral, biographical, historical, formal, etc.).

Three class hours each week. Three credits.

401 AMERICAN LITERATURE TO 1890

Fall semester

A survey of American Literature from the beginning through Mark Twain.

Three class hours each week. Three credits.

403 AMERICAN LITERATURE AFTER 1890

Spring semester

A survey of American Literature from Twain to the 1960's.

Three class hours each week. Three credits.

405 HISTORY OF THE ENGLISH LANGUAGE

Fall semester

A study of the development of the English language from Old English times to the twentieth century. Students should have some knowledge of phonetics or be in the process of gaining such knowledge.

Three class hours each week. Three credits.

409 IRISH POETS AND WRITERS

Fall semester

A study of the major poems and plays of Yeats, *The Dubliners*, *Portrait of the Artist as Young Man*, and *Ulysses* by Joyce, and the major plays of Synge; close study of the texts with emphasis upon thematic similarities within the Irish tradition.

Three class hours each week. Three credits.

410 SENIOR SEMINAR IN ENGLISH

Two semesters

This seminar will be organized after prior consultation between members of the seminar and its director. During this consultation, which will take place before preregistration, the subject matter of the course, books to be read, and other course requirements will be determined. Required of all concentrators.

Two meetings each week. Three credits each semester.

413 AN INTRODUCTION TO ENGLISH LINGUISTICS

1970-71

An introduction to the basic concepts of modern linguistics and their application to a description of the phonology, morphology, and syntax of American English. Examination of traditional, structural, and transformational-generative models of language description.

Three class hours each week. Three credits.

*414 AD HOC SEMINAR

Five or more students agreed on a seminar that they would like to participate in may consult with a professor in the Spring in order to be able to register in that particular seminar the next fall or spring.

Three class hours each week. Three credits.

415 MIDDLE ENGLISH LITERATURE

1971-2

Representative selections of the non-Chaucerian, non-dramatic literature composed between 1100-1500 are read in the original.

Prerequisite: English 301, Chaucer.

Three class hours each week. Three credits.

417 CONTEMPORARY LITERATURE

Spring semester

A study of contemporary literature beginning in the 1950's with the Beats and including Black writers.

Three class hours each week. Three credits.

*420 TUTORIAL IN INDEPENDENT STUDIES

Two semesters

The aims of the course will be similar to those in English 410 except that it will be a Tutorial, not a Seminar. Each student will develop his project independently, and will be provided with individual consultation and instruction outside the classroom. Only students with a B concentration average will be admitted.

To be arranged. Three credits each semester.

*Prior permission of professor required.

DEPARTMENT OF FINE ARTS

Fine Arts are important manifestations of the intellectual growth and development of the educated man. The liberal arts program at St. Michael's College recognizes that all students should be aware of the significant artistic media of expression against a background of history and literature. With this in mind, the Fine Arts Department has instituted a Concentration in Fine Arts, with emphasis in Art, Drama, or Music. In addition, the Department opens its courses to qualified non-concentrators as electives.

To provide for practical expression of the arts, the Fine Arts Department sponsors the following organizations: Glee Club, Choir, Musical Ensemble, and Drama Club, all open to any of the College community.

FINE ARTS (ART)—1970–1971

201 BASIC PRINCIPLES OF ART

Fall semester

Study of the basic principles in the pictorial arts and of the styles developed throughout the history of Western Art. The purpose of the course is to develop in the student a sharper critical judgment and a deeper enjoyment of art through discovery of meaning in all valid styles, and of various periods in history.

Three class hours each week. Three credits.

203 THEORY AND PRACTICE OF ART

Spring semester

The knowledge and know-how which an artist must have to make a picture. Problems will be explained each in turn theoretically. The theory then will be carried out in a practical exercise on the part of the student in class.

Three class hours each week. Three credits.

205 DRAWING

Spring semester

Instruction and practice in drawing, including anatomy, perspective, still lifes, the live model, lectures and individual criticism.

Three class hours each week. Three credits.

305 HISTORY OF ART

Fall semester

General survey of the visual arts of the Western World. Historical background and the development of styles. Projections and analysis of pertinent examples shown in architecture, sculpture and painting.

Three class hours each week. Three credits.

307 MODERN ART AND MUSIC

Spring semester

(See description under the Music option.)

309-311 PAINTING

Two semesters

Creative work in doing. The basics of drawing. Then, general principles of design, painting and handling of media will follow.

Three class hours each week. Three credits.

401-403 SCULPTURE

Two semesters

The study and practice of sculpture as a medium for creative expression, giving the student an insight in the problems and practice of working with plaster, clay, wood, stone, wire, and sheet metal. Experience in modelling, carving and casting in plaster.

Three class hours each week. Three credits.

405 GRAPHICS

Fall semester

Introduction of the various techniques and materials of the print-making processes with emphasis on the wood cut.

Three class hours each week. Three credits.

410 SENIOR FINE ARTS SEMINAR

Two semesters

(See description under Music option.)

FINE ARTS (DRAMA)—1970–1971

201 INTRODUCTION TO THE THEATRE

Spring semester

A first course in the literature and production procedures in Theatre Arts.

Three class hours each week. Three credits.

203 ORAL INTERPRETATION OF LITERATURE

Fall semester

Three class hours each week. Three credits.

301 CHIEF PATTERNS OF WESTERN DRAMA

Fall semester

A survey of the History of Drama from the Golden Age of Greece to the advent of Realism, showing the relationship among authors, their plays, playhouses, scenic effects, acting styles and costumes.

Three class hours each week. Three credits.

303 CONTEMPORARY DRAMA

Spring semester

An investigation into the most important and influential playwrights from the beginning of Realism to the present.

Three class hours each week. Three credits.

305 FUNDAMENTALS OF PLAY PRODUCTION

Spring semester

Includes all the basic material needed to bring a play to life: play selection, casting, style of production, directing, scenery design, rehearsal scheduling, with particular emphasis on technical theatre.

Three class hours each week. Three credits.

307 AMERICAN DRAMA

The American heritage in drama, musical comedy, opera and sub-literary forms such as vaudeville, from the Revolution to the present.

Three class hours each week. Three credits.

309 PRINCIPLES OF PLAY DIRECTION

Spring semester

Principles, techniques, and experience in play direction including casting, blocking, interpretation, polishing and performance.

Three class hours each week. Three credits.

311 PRINCIPLES OF ACTING

Fall semester

Theory and technique in developing characters for the stage.

Three class hours each week. Three credits.

- 410 SENIOR FINE ARTS SEMINAR *Two semesters*
(See description under Music option.)
Three class hours each week. Three credits.

RHETORIC

- 201 PRINCIPLES OF SPEECH *Both semesters*
A first course in speech techniques.
Three class hours each week. Three credits.
- 203 ADVANCED SPEECH—ARGUMENTATION & PERSUASION *Spring semester*
The emphasis for this course is on speech content and composition.
Three class hours each week. Three credits.

FINE ARTS (MUSIC)—1970–1971

- 201 INTRODUCTION TO MUSIC *Fall semester*
An extensive study of rhythm and melody; sight singing; melodic formulae, harmony involving trends, first inversions and the dominant seventh chord.
Three class hours each week. Three credits.
- 203 TONAL MUSIC *Spring semester*
The harmonization of diatonic melodies and simple figures basics with tonal harmony, including secondary seventh chords and their inversions. An introduction to contrapuntal techniques.
Three class hours each week. Three credits.
- 205-207 PIANO CLASS *Two semesters*
Basic musicianship, keyboard technique, sight reading.
Two class hours each week. Three credits for entire year.
- 307 MODERN ART AND MUSIC *Spring semester*
Significant art and music from the late Nineteenth Century Impressionism and Post-Romanticism to present avant-garde innovations.
Three class hours each week. Three credits.
- 309 HISTORY OF MUSIC *Fall semester*
A survey of musical literature in chronological sequence. The Renaissance through Romanticism. Illustrated lecture—demonstrations, supplementary concerts.
Three class hours each week. Three credits.

- 311 ANALYSIS OF MUSIC *Fall semester*
 An analysis of tonal harmony and strict counterpoint in relationship to stylistic practices. The application of harmony and counterpoint through exercises and historical perspective.
Three class hours each week. Three credits.
- 313 COMPOSITION OF MUSIC *Spring semester*
 Composition of small forms in a variety of styles, utilizing both previous formal training and personal musical creativity. Performances with student criticisms.
Three class hours each week. Three credits.
- 397 GLEE CLUB *Two semesters*
 The practical application, through performance, of choral literature in a variety of styles.
Three credits upon completion of three years participation.
- 398 CHOIR *Two semesters*
 The practical application, through performance, of choral literature for small ensemble in a variety of styles.
Three credits upon completion of three years participation.
- 399 ENSEMBLE *Two semesters*
 The practical application, through performance, of instrumental literature in a variety of styles.
Three credits upon completion of three years participation.
- 401 CHORAL MUSIC AND CONDUCTING *Fall semester*
 The practical application of baton techniques through choral literature. Student conductors will have the opportunity to conduct college choral organizations.
Three class hours each week. Three credits.
- 403 THE ARTS IN CONTEMPORARY RELIGIONS *Fall semester*
 The Arts as interpretive and cultural manifestations of great religions in a contemporary world. The role of drama, painting, sculpture, music and other artistic media in Christianity, Judaism, Eastern and Oriental religious cultures.
Three class hours each week. Three credits.
- 405 AMERICAN MUSIC *Fall semester*
 A survey of musical developments in this country from the Seventeenth Century Psalters to Twentieth Century innovations including Jazz, Musical Theater, Serial and Electronic Techniques.
Three class hours each week. Three credits.
- 407 MUSIC IN SCHOOL EDUCATION *Spring semester*
 This course is designed to outline the music curriculum in the public schools, to present a composite understanding of the philosophy of music education and to research its history

and development, placing emphasis on current trends. Audio-visual aids, method books and other teaching accessories to music instruction shall be studied as well.

Three class hours each week. Three credits.

410-410 SENIOR FINE ARTS SEMINAR

Two semesters

A synthesis of formal course work and practical implementation of the unifying elements and common bonds of the arts. Individual guidance in projects in the specialization of the student in art, drama, or music.

Three class hours each week. Three credits.

DEPARTMENT OF HISTORY

History is one of the most important integrating disciplines in the college of liberal arts. As a record of man's past actions, thought, and institutions, it necessarily touches upon other branches of knowledge, such as economics, politics, religion, sociology, architecture, literature, and gives perspective to their content. It is therefore an indispensable requirement for all students. The sequence in Humanities provides for these needs of all students and at the same time supplies a broad framework for the student who wishes to concentrate in history.

The objectives of the concentration are as follows: (1) to give the student a general knowledge of the past, of the events which shaped the life of mankind, of the men who influenced the course of civilization, of the institutions which human society has evolved; (2) to give him a more specific knowledge of one area of history, such as Ancient, Medieval, Modern European, or American; (3) to promote his better understanding of the present and of his position as the heir to a continuous Christian culture, through an appreciation of the forces that produced western civilization; (4) to strengthen his critical faculty through the employment of the techniques of historiography, the use of analysis and synthesis, and the constant effort to determine the truth of the past; (5) to foster literate self-expression through discussion and the preparation of historical papers.

Required for concentrators: 201-3; 310, 410, and two other full courses, which should be chosen under the direction of the departmental advisor.

201-203 GROWTH OF THE AMERICAN NATION

Two semesters

This course acquaints the student with the most important facts and trends of American history.

Three class hours each week. Six credits.

210 DIRECTED READING IN HISTORY

Two semesters

This course is devoted to discussion of historical works organized under three headings: Classical History; Philosophies of History; Historical Controversy. The course is designed to enlarge the student's knowledge of historical writing and to foster his appreciation of it.

Three class hours each week. Six credits.

301 HISTORY OF GREECE

Fall semester

A study of the political and social history of Greece, with some consideration of the Oriental civilizations by which the Greeks were influenced.

Three class hours each week. Three credits.

303 HISTORY OF ROME

Spring semester

A study of the political and social history of Rome to the fourth century of the Christian era.

Three class hours each week. Three credits.

313 TUDOR AND STUART ENGLAND

Fall semester

Tudor and Stuart England, 1485-1688: English law, the Constitution, the conflict between King and Parliament.

Three class hours each week. Three credits.

315 ENGLAND AND THE MERCANTILIST EMPIRE

Spring semester

1688-1815, formation of the British Empire, cabinet and prime minister type of government, the American revolution, the challenge of Napoleon.

Three class hours each week. Three credits.

403-405 THE EMERGENCE OF MODERN EUROPE (1300-1763)

Two semesters

A thorough study of the Renaissance, the Reformation, and the creation of modern Europe. The course covers the period between 1300 and 1763.

Three class hours each week. Six credits.

410 SEMINAR IN HISTORY

Two semesters

This course is designed to draw upon and develop the student's knowledge of history through discussion and extended research. Seniors concentrating in history should enroll in one of the following divisions of this course with the consent of their advisor:

- a. Political Thought and Historical Development
- b. Europe and the non-Western world
- c. France in the Twentieth Century

Meetings as required. Six credits.

411 HISTORY OF RUSSIA TO 1905

Fall semester

Surveys Russian history from the ninth century to the Revolution of 1905. Emphasizes the development of Russian political and social institutions and the relations of Russia with western nations.

Three class hours each week. Three credits.

413 MODERN RUSSIA

Spring semester

Surveys Russian history from 1905 to 1950. Emphasizes the development of the revolutionary parties and the history of the Communist movement since 1917.

Three class hours each week. Three credits.

415 THE FRENCH REVOLUTION

Fall semester

This course considers the causes of the Revolution and its development to the Thermidorian Reaction.

Three class hours each week. Three credits.

417 EUROPE DURING THE AGE OF NAPOLEON

Spring semester

This course continues from the Thermidorian Reaction to the Congress of Vienna.

Three class hours each week. Three credits.

AMERICAN STUDIES PROGRAM

The American Studies program is an interdepartmental concentration under the supervision of the Department of History. Its purpose is to allow a student to investigate the factors, historical, social, political, economic, and intellectual, which have shaped American civilization. The student concentrating in American Studies will take the following required courses: History 201-3, American Studies 310, and American Studies 410 (see below). The remaining four semesters of the concentration will be selected from the following areas of study: American Constitutional History; American Diplomatic History; Economic History of the United States; History of Philosophy in America; American Labor History and Law; History of American Literature. See bulletin entries of the appropriate academic departments for information about courses in the above areas.

301 HISTORY OF THE BLACK MAN IN THE UNITED STATES

Each Semester

A survey to provide general knowledge of the role of the black Americans in American life. Emphasis will be placed on historical, political, cultural, economic and social developments from 1619 to the present.

Three class hours each week. Three credits.

310 AMERICAN INTELLECTUAL HISTORY

Two semesters

This course emphasizes the history of ideas in the United States from 1789 to 1875. Representative topics considered are: transcendentalism; nationalism.

The second semester continues the approach followed in the first. It considers such topics as immigration, social Darwinism, revivalism.

Two meetings each week. Six credits.

410 SEMINAR IN AMERICAN STUDIES

Two semesters

This course deals with selected topics pertinent to the United States in the twentieth century. Representative topics are: the social gospel; progressivism; neo-orthodoxy; historical interpretations of the United States.

Two meetings each week. Six credits.

429 THE AGE OF JACKSON (1824-41)

A political, economic, and social history of the period, emphasizing the development of the modern party system.

Three class hours each week. Three credits.

431 CIVIL WAR (1850-1865)

An in-depth study of the War of the Rebellion in terms of causation and political, economic, and social significance.

Three class hours each week. Three credits.

435 RECONSTRUCTION (1865-1890)

A study of the significant effects of the Civil War leading to the establishment of a national state.

Three class hours each week. Three credits.

DEPARTMENT OF HUMANITIES

The two-year, "core" sequence in Humanities seeks to provide a cultural *lingua franca* for all students by integrating history, literature, and art in a broad chronological survey of Western development. Periods of Western history are presented as units, mirrored in parallel reflections of socio-political change, literary landmarks, and typical art.

Besides minimizing the narrowing tendencies of undergraduate specialization, the course aims at (1) establishing a contextual frame of reference for setting facts in organic perspective; (2) regulating knowledge within a firm outline of time-pattern; (3) cultivating a basic capacity for aesthetic appreciation; and (4) forming reading habits and tastes which lead to the acquisition of a personal library.

A third year of electives (open to juniors and seniors) extends the course into the twentieth century.

THE LIFE AND THOUGHT OF WESTERN MAN I

101-103 CLASSICAL AND MEDIEVAL CIVILIZATION

Two semesters

Required of all freshmen, Humanities 101-3 surveys the development of ancient and medieval Europe. Besides standard history, music and art texts, the "Great Books" core includes: the *Bible* (*Genesis*, *Ruth*, *Psalms*, *Job*), *Iliad*, *Oedipus Rex*, *Antigone*, *The Peloponnesian War*, *Dialogues of Plato*, *The Constitution of Athens*, *Aeneid*, *Plutarch's Lives*, *Confessions of St. Augustine*, *Beowulf*, *Chronicles of the Crusades*, *The Little Flowers of St. Francis*, *On the Law*, *Inferno*, *Canterbury Tales*, *Everyman*, *The Second Shepherds' Play*. Lectures on history precede, as illustrated lectures on art follow, the core of "Great Books."

Three class hours each week. Six credits.

THE LIFE AND THOUGHT OF WESTERN MAN II

201-203 RENAISSANCE AND ENLIGHTENMENT

Two semesters

Required of all sophomores, this division continues the survey of Western development from the Renaissance through the Napoleonic Era. Books read and discussed include: *Book of the Courtier*, *In Praise of Folly*, *The Prince*, *Utopia*, *Autobiography of Benvenuto Cellini*, *Essays of Montaigne*, *Doctor Faustus*, *King Lear*, *New Organon*, *Paradise Lost* (I & II), *Areopagitica*, *Of Education*, *Don Quixote*, *Le Bourgeois Gentilhomme*, *Second Treatise of Government*, *Selected Poetry of Pope*, *The Wealth of Nations*, *Federalist & Declaration of Independence*, *Reflections on the Revolution in France*, *Romantic Poets*, *Faust* (Part I). Lectures on history precede, as illustrated lectures on music and art follow, the core of "Great Books" readings.

Three class hours each week. Six credits.

THE LIFE AND THOUGHT OF WESTERN MAN III

301 WESTERN CULTURE OF THE 19TH CENTURY

Fall semester

Elective for juniors and seniors, this unit extends the two-year sequence by tracing Western development from 1815 to the mid-twentieth century. "Great Books" include: *Essays of Emerson*, *Walden & Civil Disobedience*, *Moby Dick*, *Adventures of Huckleberry Finn*, *Great Expectations*, *Communist Manifesto*, *Fathers and Sons*, *Crime and Punishment*, *Origin of Species*, *Return of the Native*, *Ibsen's Plays*, *Rerum Novarum & Quadregesimo Anno*.

Three class hours each week. Three credits.

303 WESTERN CULTURE OF THE 20TH CENTURY

Spring semester

Elective for juniors and seniors, this unit rounds out the survey of Western Man by the following twentieth century readings: *Portrait of the Artist as a Young Man*, *Freud: His Life & Work*, *Babbitt*, *The Sound and the Fury* and *As I Lay Dying*, *Brave New World*, *Death of a Salesman*, *Darkness at Noon*, *Nineteen Eighty-Four*, *Revolt of the Masses*, *Only Yesterday*, *Lord of the Flies*, *The Human Use of Human Beings*, *Faith and Freedom*.

Three class hours each week. Three credits.

Lectures on history, music and art envelop the core of "Great Books" readings-discussions, as in preceding courses.

401T-403T HONORS HUMANITIES I & II

Two semesters

A survey of major Western achievements in literature providing an interpretive historical framework to enable the student to place specialized undergraduate study in an integrated context. Cooperative presentation by faculty members of Trinity College and St. Michael's College in classroom dialogue, preceded by assigned "Great Books" readings and supplemented by correlated films. Limited enrollment.

Three class hours each week. Six credits.

DEPARTMENT OF MATHEMATICS

The basic courses in Mathematics are designed to give an adequate foundation to students who intend to concentrate in Biology, Chemistry and Mathematics. The program of concentration in Mathematics has the objective of providing the student with a sufficient background of theory and practice so that he may be prepared to use mathematics as an end in itself (*e.g.*, in teaching, research) or for the purpose of establishing a career in industry, statistical work, civil service, et cetera.

Required of Mathematics concentrators: 105-7, 201-3, 307, 309, 401-3, 410; Physics 105-7; and six hours of electives in the field of Mathematics. Concentrators are also advised, though not required, to take Physics 301-3.

101-103 ANALYTIC GEOMETRY AND CALCULUS I

Two semesters

(Designed for Biology concentrators)

Mathematical methods, inequalities, topics in analytic trigonometry, plane analytic geometry, derivatives and their application, integration and applications of the definite integral.

Prerequisites: Intermediate algebra and trigonometry; for second semester, successful completion of first semester.

Three class hours each week. Six credits.

105-107 ANALYTIC GEOMETRY AND CALCULUS I

Two semesters

(Designed for Mathematics and Chemistry concentrators)

Mathematical methods, inequalities, topics in analytic trigonometry, plane analytic geometry, derivatives and their application, integration and applications of the definite integral.

Prerequisites: Intermediate algebra and trigonometry; for second semester, successful completion of first semester.

Three class hours each week. Six credits.

201-203 ANALYTIC GEOMETRY AND CALCULUS II

Two semesters

Continuation of Math. 105-7. Transcendental functions, methods of integration, hyperbolic functions, polar coordinates, vectors and parametric equations, solid analytic geometry and vectors, partial differentiation, multiple integrals, infinite series.

Prerequisite: Mathematics 105-7.

Three class hours each week. Six credits.

301 ELEMENTARY PROBABILITY

Fall semester

Building upon a foundation of symbolic logic and set theory, this course considers such topics as probability measure, stochastic processes, law of large numbers, Binomial measures and the Poisson approximation, conditional probability and the Central Limit Theorem.

Three class hours each week. Three credits.

303 DIFFERENTIAL EQUATIONS

Fall semester

Meaning of differential equations, types, and applications of different equations of the first order, integral curves, trajectories, approximate solutions, linear differential equations with constant coefficients, and applications of linear differential equations of the second order.

Three class hours each week. Three credits.

305 NUMERICAL ANALYSIS

Spring semester

Topics include fundamentals of figure accuracy, finite differences, interpolation, LaGrangian formulas, differential and difference equations, least square methods.

Prerequisite: Mathematics 303.

Three class hours each week. Three credits.

Laboratory fee: \$14.00.

307 INTRODUCTION TO MODERN ALGEBRA

Spring semester

This course is designed for the undergraduate who has had two years of college mathematics, including calculus. It will introduce him to some of the simpler algebraic concepts so much a part of the mathematics of today. Number systems, groups, rings, and fields will be among the topics considered.

Three class hours each week. Three credits.

309 ELEMENTS OF LINEAR ALGEBRA

Fall semester

Vectors and vector space, matrices, determinants, linear transformations, convex sets, characteristic values.

Three class hours each week. Three credits.

311 INTRODUCTION TO MATHEMATICAL STATISTICS

Spring semester

This course concerns itself with the mathematics pertaining to such elements of statistical theory as random sampling, the Law of Large Numbers, estimation of parameters, central limit theorem, statistical decision theory, regressions and testing of hypotheses.

Prerequisite: Mathematics 301.

Three class hours each week. Three credits.

317-319T MODERN CONCEPTS OF GEOMETRY

Two semesters

Modern elementary geometry, elementary transformations, constructions with ruler and compass, projective geometry, non-Euclidean geometry, foundations of geometry, geometry and group theory.

Three class hours each week. Six credits.

401-403 ADVANCED CALCULUS

Two semesters

A study of sequences and series, functions of a real variable, functions of several variables, vectors, the definite integral, improper integrals, line integrals, multiple integrals, and uniform convergence.

Three class hours each week. Six credits.

410 SENIOR SEMINAR IN MATHEMATICS

Two semesters

Through papers and discussions the students are guided to reevaluate their mathematical experience and deepen their understanding of what mathematics is, how it functions, what it accomplishes for the world and what it has to offer in itself. There is particular emphasis on the fields of topology and complex variable. Reserved for concentrators in mathematics.

Two meetings each week. Six credits.

DEPARTMENT OF MODERN LANGUAGES

It is generally recognized that a liberally educated man should have proficiency in a modern language other than his own. It is also becoming clear that the knowledge of at least one language other than English is a very practical tool in numerous civil and business careers.

Satisfactory completion of French 203-5, Spanish 203-5, German 203-5, Russian 203-5, or the equivalent by examination is required of all students who intend to concentrate in American Studies, Business, Economics, English, French, History, Philosophy, Political Science, or Sociology. Concentrators in Latin may substitute two years of Greek.

Two years of high school preparation in the language are expected for qualification in 103 or higher level courses. Students who wish to begin a new language or whose preparation in a continuing language is insufficient will be placed in a special 103 class.

The objectives of the basic courses may be stated as follows: (1) to develop skill in conversation and composition; (2) to develop as much as possible the ability to read a foreign language intelligently and with understanding; (3) to develop the student's general power of expression, of analysis, the scope of his native vocabulary; (4) to introduce him through readings, lectures, et cetera to the cultural heritage of other nations; and (5) to establish a firm foundation for concentration in a foreign literature.

A program of concentration is offered only in French literature. The general aims of this program of concentration are to give a comprehensive and comparative view of the literature and culture of France, and to develop the skills of composition and conversation.

Required of concentrators, after satisfactory completion of French 203-5; French 207-9, 310, 410, and twelve additional credits. Concentrators are also advised to complete the basic courses of another language.

Successful completion of first semester is prerequisite for continuance in, or admission to, any second semester language course.

FRENCH

103-105 FIRST YEAR COLLEGE FRENCH I & II *Two semesters*

A course designed to develop proficiency in French conversation, reading and grammar.

One laboratory and three class hours each week. Six credits.

203-205 SECOND YEAR COLLEGE FRENCH I & II *Two semesters*

Advanced conversation and reading. Essentials of French civilization.

One laboratory and three class hours each week. Six credits.

207-209 SURVEY OF FRENCH LITERATURE I & II *Two semesters*

This course, conducted in French, surveys the field of French literature. It is required of concentrators, but may be elected by any student who has prerequisite: ability to understand.

Three class hours each week. Six credits.

301 FRENCH TRAGEDY OF THE 17TH CENTURY *Fall semester*

Lectures in French on the historical and literary background of the *Siècle classique*. Selected plays of Corneille and Racine will be read in class.

Three class hours each week. Three credits.

303 FRENCH COMEDY OF THE 17TH CENTURY *Spring semester*

Lectures in French on the historical and literary background of the *Siècle classique*. Selected plays of Molière will be read in class.

Three class hours each week. Three credits.

310 DIRECTED READINGS IN FRENCH LITERATURE I & II

Two semesters

The reading list in this junior seminar concentrates on the historical and literary backgrounds of *Siècle philosophique*, eighteenth century "isms" and selected readings from Voltaire and Rousseau.

Two meetings each week. Six credits.

317-319 MODERN WORLD DRAMA

Two semesters

This course, described under English 319-21, may be taken for credit by concentrators in French.

Three class hours each week. Six credits.

401-403 FRENCH POETRY AND PROSE OF THE 19TH CENTURY

Two semesters

Lectures in French on the historical and literary background of French romanticism, nineteenth century "isms" as seen through selected novels and poetry of Victor Hugo.

Three class hours each week. Six credits.

410 TWENTIETH CENTURY FRENCH SEMINAR

Two semesters

This course correlates the literary genres of the contemporary scene. Directed readings in the novel, theater and poetry of today.

Two meetings each week. Six credits.

GERMAN

103-105 FIRST YEAR COLLEGE GERMAN I & II

Two semesters

A course designed to develop proficiency in German grammar and conversation.

Two laboratory and three class hours each week. Six credits.

107-109 SCIENTIFIC GERMAN

Two semesters

Limited to concentrators in Chemistry, Biology or Mathematics. High school German is not a prerequisite.

Three class hours each week. Six credits.

203-205 SECOND YEAR COLLEGE GERMAN I & II

Two semesters

Advanced conversation and reading. Essentials of German civilization.

Three class hours each week. Six credits.

301-303 INTRODUCTION TO GERMAN LITERATURE

Two semesters

Reading of selected works, drama, poetry and the short story. Designed to increase reading facility and to acquaint students with typical German literary forms. Reading in Keller, Mann, Rilke, Kafka, Duerrenmatt, Brecht, and others.

Three class hours each week. Six credits.

Prerequisite: two years of college German or equivalent.

RUSSIAN

103-105 FIRST YEAR COLLEGE RUSSIAN I & II

Two semesters

A course designed to develop proficiency in Russian conversation, reading and grammar.

One laboratory and three class hours each week. Six credits.

203-205 SECOND YEAR COLLEGE RUSSIAN I & II

Two semesters

A course designed to develop proficiency in Russian conversation and reading. It incorporates the study of Russian civilization and contributions to world civilization.

Three class hours each week. Six credits.

SPANISH

103-105 FIRST YEAR COLLEGE SPANISH I & II

Two semesters

A course designed to develop proficiency in Spanish conversation, reading and grammar.

One laboratory and three class hours each week. Six credits.

203-205 SECOND YEAR COLLEGE SPANISH I & II

Two semesters

Advanced conversation and reading. Essentials of Spanish civilization.

One laboratory and three class hours each week. Six credits.

207 SURVEY OF SPANISH AND SPANISH AMERICAN LITERATURE

Two semesters

This course, conducted in Spanish, examines the whole field of Hispanic literary achievements from the origins to the present.

Three class hours each week. Six credits.

NATURAL SCIENCE FOR NON-SCIENCE CONCENTRATORS

All students must take at least one course in a natural science. This may be a course in biology, chemistry, or physics, or the course in the Basic Concepts of Science. This course consists in lectures and seminars presented by members of the three science departments, and a laboratory experience.

201-203 BASIC CONCEPTS OF SCIENCE

Two semesters

An introduction to the development of basic concepts of physics, chemistry and biology. Required of all students except concentrators in mathematics and science, unless another science course is substituted with the approval of the department concerned.

Three class hours each week. Six credits.

DEPARTMENT OF PHILOSOPHY

At Saint Michael's College the courses offered in Philosophy are viewed as an essential part of the total liberal education. Each student is required to take twelve semester hours in the discipline in order to enable him to come to grips with the basic problems of the field and to see how the great thinkers of past and present have come to grips with them.

The courses in the history of philosophy include both directed independent study of the over-all period under consideration and class meetings devoted to reading and discussing selected major figures from the period.

Required of all students: Philosophy 101-103 and 201-203. Those students who have received a grade of B or better in Philosophy 101 may, however, with the permission of the chairman of the department, choose in place of Philosophy 201 and/or 203, three or six semester hours of philosophy from those courses numbered in the 300's.

Required of concentrators: Philosophy 101-103, 201-203, 401-403, 410, and twelve hours of electives within the department to be chosen with the advice of the department chairman. Concentrators in philosophy are urged to fulfill their language requirement in German or French. Moreover, they are counseled to elect courses in the ancient languages.

101-103 INTRODUCTION TO PHILOSOPHY

Two semesters

This course considers the nature, value, methods and problems of philosophical knowledge within the framework of the philosophies of Plato and Aristotle in particular. The second semester is given over, for the most part, to a consideration of, and practice in, the fundamentals of traditional dialectics. This course is a necessary prerequisite to all other courses in philosophy.

Three class hours each week. Six credits.

201 PHILOSOPHY OF MAN

Fall semester

This course presents a philosophical study of human nature, considering such topics as: man and his body; knowledge; the emotions; desire, choice, and action; habits; the freedom of the will; love and hate; death.

Three class hours each week. Three credits.

203 ETHICS

Spring semester

This course presents a philosophical study of morality, including such questions as: the difference between right and wrong; the morality of human acts; the source of rights, duties, and obligations; the relation of morality to law, society, and God; the possibility of attaining happiness; the good life; knowledge of what is right and what is good; reasons for living a morally good life.

Three class hours each week. Three credits.

305 PHILOSOPHY OF ART

Fall semester

This course considers the meaning of a philosophical approach to the whole range of making. This includes an investigation of what productive action is, the nature of artistic knowledge, the reality of artifacts, the definition of beauty, and differences between fine and useful arts.

Three class hours each week. Three credits.

307 PHILOSOPHY OF SOCIETY

Fall semester

This course considers how a philosopher investigates the nature of human society and political institutions. It illustrates the difference between the methods of political science, sociology and history in this area, and offers a brief history of leading philosophical theories concerning society. A systematic approach to society is then presented in outline fashion.

Three class hours each week. Three credits.

309 PHILOSOPHY OF EDUCATION

Fall semester

This course considers the basic principles, the nature and ends of education, and emphasizes the respective roles of the intellectual and moral virtues in the teaching and learning situation as well as the function of education in society.

Three class hours each week. Three credits.

311 LOGIC

Fall semester

This course considers the elements of classical and contemporary logic. It approaches logic as the art of correct thinking.

Three class hours each week. Three credits.

313 HISTORY OF MEDIEVAL PHILOSOPHY

Fall semester

This course considers the development of philosophical thought from the fourth to the fourteenth centuries. Class readings and discussions center around such major figures as Augustine, Anselm, Abelard, Aquinas, and William of Occam.

Three class hours each week. Three credits.

315 HISTORY OF EARLY MODERN PHILOSOPHY

Spring semester

This course considers the development of philosophical thought from the sixteenth through the eighteenth centuries. Class readings and discussions center around such major figures as Descartes, Spinoza, Locke, and Hume.

Three class hours each week. Three credits.

401-403 METAPHYSICS

Two semesters

This course considers the ultimate principles and the common characteristics of reality as well as the presuppositions and methods necessary for a philosophical treatment of such topics.

Three class hours each week. Six credits.

407 HISTORY OF LATE MODERN PHILOSOPHY

Fall semester

This course considers the development of philosophical thought from the late eighteenth through the nineteenth centuries. Class readings and discussions center around such major figures as Kant, Hegel, Mill, Nietzsche, and Bergson.

Three class hours each week. Three credits.

409 CONTEMPORARY PHILOSOPHY

Spring semester

This course considers major philosophical trends since the start of the present century. Class readings and discussions center around such major figures as Husserl, Russell, Heidegger, Moore, and Sartre.

Three class hours each week. Three credits.

410 SENIOR SEMINAR IN PHILOSOPHY

Two semesters

The senior coordinating seminar, both by reading and discussion, analyzes some of the basic philosophical problems, especially those which have a bearing on other disciplines. Reserved for concentrators.

Two meetings each week. Six credits.

411 INTRODUCTION TO EASTERN PHILOSOPHIES

Fall semester

This course considers, in an introductory fashion, the six systems of Indian thought, and the two major systems of Chinese thought.

Three class hours each week. Three credits.

413 BUDDHIST PHILOSOPHY

Spring semester

This course considers Buddhism in its major stages of development.

Three class hours each week. Three credits.

DEPARTMENT OF PHYSICS

Physics concerns itself with the deduction and establishment of the principles which underlie the observable phenomena of the physical universe. For students whose curiosity about physical phenomena guides them to a career in physics, the Physics Department offers courses to prepare them for graduate school, teaching, or industry. Other students interested in science will find that courses offered above the elementary level enrich erudition in their own concentration.

Mathematics is the language of logic in physics. A student must have a mathematical ability commensurate with the physics content of the course if he expects to master the material. Students who plan to attend graduate school should bear in mind that familiarity with a foreign language may be required.

Required of Concentrators: Physics 105-107, 201-203, 301-303, 401-403, 410; Mathematics 105-107, 201-203; Chemistry 101-103, 201-203.

101-103 GENERAL PHYSICS

Two semesters

This is an introductory course in college physics designed specifically for biology concentrators. Topics include the general areas in mechanics, heat, light, sound, magnetism, electricity, and modern physics.

Co-requisite: Mathematics 101-103. Prerequisite for 103: successful completion of 101. Three lectures and one laboratory each week. Eight credits.

105-107 GENERAL PHYSICS

Two semesters

This course is taught at a different level of mathematical sophistication than the one above. It is designed for students who concentrate in physics, chemistry and mathematics.

Co-requisite: Mathematics 105-107. Prerequisite for 107: successful completion of 105.

201 MECHANICS

This course presents the elements of particle mechanics including central forces, harmonic oscillators, rigid body motion, and an introduction to relativity.

Prerequisite: Physics 101-103 or 105-107. Co-requisite: Mathematics 201-203. Three lectures each week. Three credits.

203 WAVES AND OSCILLATIONS

Spring semester

This course presents a development of wave theory including applications.

Prerequisite: Physics 201. Co-requisite: Mathematics 201-203. Three lectures each week. Three credits.

301-303 INTRODUCTION TO MODERN PHYSICS

Two semesters

A study of the recent developments in the field of physics. It includes some of the concepts of Special Relativity and Quantum Mechanics and applies these concepts, as well as the Classical Concepts, to atomic, molecular, and crystal structure.

Prerequisites: Physics 105-107; Mathematics 201-203. Three lectures and one laboratory each week. Eight credits.

401-403 ELECTRICITY AND MAGNETISM

Two semesters

A study of electrostatic, magnetic and electromagnetic fields; their effects in different media; A.C. and D.C., circuits, electron properties and characteristics. The laboratory will consist of experiments which will allow the student to become familiar with modern techniques of measurements in the field.

Prerequisites: Mathematics 201-203; Physics 105-107. Three lectures and one laboratory each week. Eight credits.

410 SPECIAL TOPICS IN PHYSICS, COORDINATING SEMINAR

Two semesters

The student will be expected to participate in the above presentation by submitting seminars on the topics under discussion. Preparation and presentation of the seminar will include a literature search and background reading to give the student a level of competence commensurate with the material presented in the course.

Fall semester—Experimental Physics: Special topics in experimental physics will be discussed in some detail.

Spring semester—Theoretical Physics: Special topics and theoretical physics will be discussed in some detail.

Prerequisite: Physics 301-303, 401-403 taken concurrently.

Three lectures and one seminar each week. Eight credits.

DEPARTMENT OF POLITICAL SCIENCE

The study of government has as its chief objective the preparation of college men for active life as citizens in a democracy, whether as public servants, elected officials, enlightened voters, or professional political scientists. This goal requires a thorough grounding in the liberal arts, but in addition it requires the development of critical judgment and analytical skills over a wide range of public policies, political theories, and governmental processes. Unlike any other form of government, democracy asks both civic virtue and civic intelligence of its citizens. The role played by the study of government in a Catholic liberal arts college is to form the civic intelligence without which civic virtue would be inoperable or incompetent.

Students who concentrate in political science may use their training for entrance into public service, business, teaching, law, and international affairs. The concentration in political science at St. Michael's College will prepare students for graduate studies in the same or related fields in most graduate schools in the country.

Note: If students are planning careers in overseas agencies, they are advised to be thoroughly trained in one or more modern languages: French, Russian, German or Spanish.

Required for concentrators: Political Science 201-3, 310, 410, and at least four semester electives in the department.

The following courses are open to all students beyond the freshman year, except where reserved for Political Science concentrators.

201-203 INTRODUCTION TO AMERICAN GOVERNMENT

Two semesters

An introductory course dealing with the American political system. Examines the processes of political behavior at all levels of American society and the structures through which they operate.

Three class hours each week. Three credits each semester.

207T WORLD GEOGRAPHY

Spring semester

A study of the major geographical regions of the world, and of the factors influencing the life and society of their inhabitants.

Three class hours each week. Three credits.

301 PUBLIC ADMINISTRATION

Fall semester

An introduction to the organization, management, and administration of public agencies on the local, state and national levels. Special emphasis on the problems of national, state and local administration of government, machinery of administration, civil service, personnel and management.

Three class hours each week. Three credits.

303 POLITICAL PARTIES AND PRESSURE GROUPS

Fall semester

A study of the policy-making process in American government; of public opinion, political parties, and pressure groups as agencies of policy formation.

Three class hours each week. Three credits.

307 LABOR HISTORY AND LABOR LAW

Spring semester

A brief study of labor history, law, and current labor policies and problems.

Three class hours each week. Three credits.

310 DIRECTED READING: CONSTITUTIONAL HISTORY AND LAW

Two semesters

Selected decisions of the Supreme Court and their impact on the basic principles of our system of government. Special emphasis is given to economic, social, and political problems.

Three class hours each week. Six credits.

311 LATIN AMERICAN GOVERNMENT AND POLITICS

Spring semester

A survey of the development and operation of Latin American governmental principles.

Three class hours each week. Three credits.

313 THE AMERICAN PRESIDENCY

Fall semester

An advanced course designed to acquaint the student with the duties and responsibilities of the office of the American chief executive and also to introduce the student to the several interpretations put upon the office of the presidency.

Three class hours each week. Three credits.

315 AMERICAN FOREIGN POLICY

Fall semester

A critical introduction to the nature, content, motivations, objectives, principles, practices and institutional framework of American foreign policy.

Three class hours each week. Three credits.

317 COMPARATIVE STATE POLITICS

Spring semester

A study of political behavior at the state level. Seeks to explore generalizations about the political system using the fifty states as units for comparative analysis.

Three class hours each week. Three credits.

319 RESEARCH METHODOLOGY AND METHODS

Fall semester

Seeks to familiarize the student with various methodological issues that shape current

research in Political Science. This course will also explore some of the basic skills and techniques used by social scientists in gathering, analyzing, and interpreting data.

Three class hours each week. Three credits.

401 POLITICAL GEOGRAPHY

Fall semester

An examination of the physical, economic, and cultural forces which influence the distribution of power among nation states.

Three class hours each week. Three credits.

403 COMPARATIVE GOVERNMENT

Spring semester

An introduction to the constitutions and internal politics of leading foreign states.

Three class hours each week. Three credits.

405 GOVERNMENT AND POLITICS IN THE FAR EAST

Spring semester

A survey of the development of governmental institutions and political processes of the Far East in modern times. Special emphasis will be placed on China and Japan.

Three class hours each week. Three credits.

407 GOVERNMENT AND POLITICS IN EAST CENTRAL EUROPE

Fall semester

A survey of the development of governmental institutions and processes in East Central Europe in modern times. Special consideration will be given to the social, economic and cultural factors influencing this development.

Three class hours each week. Three credits.

410 COORDINATING SEMINAR: POLITICAL THEORY

Two semesters

This course is designed to integrate, by means of political theory, the previous work of the student in his study of government. Ancient, medieval and modern theorists are studied, as well as contemporary writers, in order to develop a systematic understanding of political science and its relation to other disciplines.

Two meetings each week. Six credits.

411 WORLD POLITICS

Fall semester

A study of underlying forces in world affairs in terms of conflict and cooperation among states.

Three class hours each week. Three credits.

413 WORLD ORDER

Spring semester

An examination of legal and organizational principles of international relations.

Three class hours each week. Three credits.

DEPARTMENT OF PSYCHOLOGY

The Concentration in Psychology includes a core program in traditional experimental psychology, required of all concentrators, and an

option for a clinically-oriented program. The required core program includes General Psychology, Statistics, Experimental Psychology, Systematic Psychology, and Physiological Psychology. The Clinical option includes courses in Personality, Abnormal Psychology, and Psychological Testing.

101 GENERAL PSYCHOLOGY

Both semesters

An introduction to the entire field with emphasis on the normal adult human being. *Two lectures and one discussion each week. Three credits.*

103 PSYCHOLOGY AND SOCIAL PROBLEMS

Both semesters

An introduction to contemporary social problems and modes of thinking from the psychological point of view. The student will be expected to read a minimum of six short books during the semester which will be analyzed in the discussion sections. Topics to be included are: psychoanalytic and existential modes of thought, the place of values in a world of science, psychological utopias, the psychology of alienation, crowd behavior.

Two lectures and one discussion each week. Three credits.

201 STATISTICS AND EXPERIMENTAL DESIGN

Spring semester

A survey of the statistical techniques and research designs utilized by the behavioral scientist. Topics to be included are: descriptive statistics, inferential statistics both parametric and non-parametric, and correlation technique. Prerequisite: General Psychology.

Three class hours each week. Three credits.

203 SOCIAL PSYCHOLOGY

Spring semester

A survey of the methods and concepts used in the study of individuals in groups. Topics to be included are: attitudes, social norms, group dynamics, leadership, social conflict, social movements, groups and organizations, language and communications. Prerequisite: General Psychology.

Three class hours each week. Three credits.

205 CHILD PSYCHOLOGY

not offered 1970-71

The development of the individual from birth to adulthood. Topics to be included are: research methods, the infant, maturation and learning, motor and linguistic development, emotional, motivational and personality development. Prerequisite: General Psychology.

Three class hours each week. Three credits.

306 EXPERIMENTAL PSYCHOLOGY

Two semesters

Laboratory exercises in the design of experiments. Topics to be included are: design of experiments, collection and analysis of data, the development of an original experiment. Prerequisites: General, Statistics and Experimental Design.

One lecture and one three hour laboratory per week. Eight hours credit.

401 PSYCHOLOGY OF PERSONALITY DEVELOPMENT

Fall semester

A study of the adjustment process both from the theoretical and practical point of view. Topics to be included are: varying concepts of adjustment, theories of personality, causes and effects of frustration, the defense and adjustment mechanisms, vocational and marital adjustment, principles of mental hygiene. Prerequisite: GENERAL.

Three class hours each week. Three credits.

403 ABNORMAL PSYCHOLOGY

Spring semester

A study of the causes and dynamics of the major neuroses and psychoses. Prerequisite: 401.

Three class hours each week. Three credits.

404 TESTS AND MEASUREMENTS

Not offered 1970-71

A survey of the various tests of mental ability and personality. Training will be provided in the administration and evaluation of tests. Prerequisites: GENERAL, PSYCHOLOGICAL STATISTICS AND EXPERIMENTAL DESIGN.

Three class hours each week. Six credits.

405 PHYSIOLOGICAL PSYCHOLOGY

Fall semester

An introduction to the anatomy and physiology of the nervous system as related to psychological functions. Emphasis will be placed on central processes including such topics as: the reticular activating system, the limbic system, hypothalamio functions, cortical functions. Prerequisite: GENERAL. Recommended: Vertebrate biology, general chemistry.

Three class hours each week. Three credits.

407 SYSTEMATIC PSYCHOLOGY

Spring semester

A survey in depth of the chief historical and contemporary psychological schools of thought. Topics to be included are: the classical schools of structuralism, behaviorism, functionalism, Gestalt psychology, and psychoanalysis and the contemporary systems and theories in the areas of sensory psychology, learning, perception, motivation, emotion and personality.

DEPARTMENT OF SOCIOLOGY

The discipline of sociology attempts to provide such knowledge of social phenomena as can be obtained by the use of empirical methods. While it is hardly the only means of approaching an understanding of these matters, the analytical perspective of sociology does provide insights into the nature of the distribution of power and wealth, the sources of group conflict and social turmoil, the bases of social cohesion, and the factors contributing to social change, among other subjects.

It is not the goal of sociology, as an undergraduate discipline, to prepare students for a specific occupation. In keeping with the liberal arts tradition it aims to provide an awareness of the complexity of social life,

a tolerance of diversity, and an impatience with complacency. It does provide an analytical perspective that is useful in any of the careers which are usually entered by graduates of liberal arts colleges. It is also suitable preparation for graduate work in sociology and related fields.

Required of concentrators: 201, 203, 301, 310, 410, and twelve additional semester hours.

201 INTRODUCTORY SOCIOLOGY

Fall semester

This course is designed to introduce the student to sociological analysis. It will include an examination of population, social stratification, community organization, economic, political and religious institutions.

Three class hours each week. Three credits.

203 RESEARCH METHODS

Spring semester

The purpose of this course is to give the student an awareness of the techniques that are used to gather the data on which sociological generalizations rest.

This course is intended primarily for concentrators, but it is not reserved for concentrators.

Three class hours each week. Three credits.

205 SOCIAL PROBLEMS

Spring semester

An investigation of the complex nature of many contemporary social issues.

Three class hours each week. Three credits.

301 SOCIOLOGICAL THEORIES

Fall semester

This course will survey the major theoretical approaches in sociology.

Three class hours each week. Three credits.

303 THE FAMILY

Spring semester

The family as a social institution; its internal organization and function in the past and in the present; special emphasis on problems affecting the American family.

Three class hours each week. Three credits.

305 POPULATION ANALYSIS

Spring semester

This course will be concerned with population size, distribution, and composition, and the relationships between these factors and economic and political conditions. Particular attention will be paid to "underdeveloped" areas of the world.

Three class hours each week. Three credits.

307 SOCIOLOGY OF EDUCATION

Fall semester

An examination of various aspects of the educational enterprise. Recent research and writing will be emphasized.

Three class hours each week. Three credits.

310 DIRECTED READING IN SOCIOLOGY

Two semesters

The objective of this course is to help the concentrator to become acquainted with the leading books and the recognized authorities in the field of sociology. Reserved for concentrators.

Two meetings each week. Six credits.

317 SOCIAL STRATIFICATION

Spring semester

An examination of inequalities in wealth, power, and privilege in the United States and other nations.

Three class hours each week. Three credits.

319 SOCIOLOGY OF POLITICS

Fall semester

An analysis of the social bases of politics. Social movements of various sorts (civil rights, independence, separatist, etc.) as well as electoral behavior will be considered.

Three class hours each week. Three credits.

403 CRIMINOLOGY

Fall semester

An examination of criminal law, law enforcement, judicial procedures and penal practices.

Three class hours each week. Three credits.

405 SOCIAL PSYCHOLOGY

Spring semester

An investigation of the interplay between individual and social stimuli. This is a consideration of the extent to which the interaction between the individual and the social forces affects behavior.

Three class hours each week. Three credits.

407 AMERICAN SOCIETY

Fall semester

An exploration of various writings that illuminate the basic nature of the society.

Three class hours each week. Three credits.

409 SOCIOLOGY OF RELIGION

Spring semester

An investigation of various theories propounded by major sociologists to describe the function of religion in society.

Three class hours each week. Three credits.

410 COORDINATING SEMINAR IN SOCIOLOGY

Two semesters

An intensive study of current research focusing on the problems presently being reviewed and studied by major writers, researchers and theorists of the day. An approach

which schools the student in applying the scientific method of thought and bringing to bear the results of his learning to date in Sociology.

Prerequisites: Sociology 201, 203, and 310.

Two meetings each week. Six credits.

DEPARTMENT OF THEOLOGY

The purpose of Theology in the college is to lead the student to an ever deeper appreciation of the Christian Revelation and its relevance to the momentous problems facing mankind today.

This purpose is achieved in the Theology courses mainly through:

1. as thorough as possible a study of the Hebrew and Christian scriptures;
2. an intensive study of the major documents of the Second Vatican Council;
3. familiarizing the student with the great religious thinkers of the past and present.

Courses are frequently conducted in seminar-type classes with small groups of students. The required courses (Theology 301-3 and 401-3) are generally taught in the junior and senior years since a background in humanities, behavioral sciences, philosophy, history and the natural sciences is advantageous to an adequate study of Theology at the college level.

Theology 301-3 and 401-3 are required of all students.

301-303 SACRED SCRIPTURE

Two semesters

This course is a survey of the Old Testament based on selected readings and a study of the New Testament in the light of the Gospels. The account of St. Matthew is given particular emphasis.

Three class hours each week. Six credits.

401-403 THE CHURCH IN THE MODERN WORLD

Two semesters

An investigation of the major documents of the Second Vatican Council on the Church and the Church's mission today. Students are required to read the works of religious and secular authors which lead to a greater understanding of man's problems and the Christian's response to them.

Three class hours each week. Six credits.

410 COMPARATIVE MORAL THEOLOGY

Two semesters

An analysis of the major ethical trends and theories in theological writings today. Representatives of various religious persuasions will be invited to discuss their views with the students.

Two meetings each week. Six credits.

411 THE MAKING OF THE MODERN JEW

Fall semester

An introduction to the religious, cultural, political, and social history of the Jews from the Second Commonwealth to the birth of the state of Israel. This course examines post-biblical literature (Talmud, Midrash, Codes, Philosophy, Belle Lettres); political life of the Jews in the Diaspora (Christian-Jewish relations, Moslem-Jewish relations, the growth and development of anti-semitism, modern Zionism); instructions in Jewish life such as the synagogue and worship, school, and the Jewish calendar.

Three class hours each week. Three credits.

413 THE AMERICAN JEWISH COMMUNITY IN THE 20TH CENTURY *Spring semester*

The study of a religious, cultural, and social community in a pluralistic society and an examination of the ideas, attitudes, and experiences that produced this community.

This course examines the religious beliefs and practices of Jews; the organizational structure of the religious community examining the development of the reform, conservative, Orthodox, and reconstructionist movements; the social, fraternal, and welfare organizations on the contemporary scene; and the development of the inter-religious dialogue between Jews and Christians.

Three class hours each week. Three credits.

Expenses, Scholarships, Student Aid

GENERAL FEES

THE FOLLOWING FEES are required of all full-time students. The amounts shown are for the entire year, half of which is due at the beginning of each semester.

Tuition	\$1850.00
Room	400.00
Board	650.00
Health	50.00
Student Activities	50.00
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	\$3000.00

These charges entitle the student to use the facilities of the library, the infirmary, and the gymnasium. Student insurance is included in the health fee. Admission to athletic contests at the College is included in the Student Activities fee.

Every student who has a room on campus is considered a boarder and must pay both room and dining hall charges in full. No part of this fee is remitted, unless a student withdraws from the College.

Day students may make special arrangements with the Bursar to take their noon meals in the college dining hall.

SPECIAL FEES

An application fee of \$10 is charged to all those who submit an application. This fee is not refundable and must be paid before the application is processed.

A laboratory fee of \$40 each semester is charged for each of the courses in laboratory science.

A laboratory fee of \$10 each semester is charged for Modern Language 103-5 and 203-5 courses.

A late registration fee of \$10 is charged to any student who fails to

pre-register within the time allotted for this purpose in May or who fails to report on the day of formal registration in September. Pre-registration does not apply to students not yet in attendance.

Extra courses carried for credit or as audit by upperclassmen are charged at the rate of \$35 per credit hour.

Special students are charged at the rate of \$60 per credit hour.

A graduation fee of \$30, charged to all seniors, covers the expenses of the diploma, the yearbook picture and the rental of a cap and gown for the year. This fee is payable even though a graduate does not attend the commencement exercises.

The College offers laundry and dry cleaning service at moderate prices. Arrangements are to be made by the student with the laundry manager. A self-service laundromat is available on the campus.

FAMILY PLAN GROUP TUITION DISCOUNT

When two or more brothers are attending St. Michael's College at the same time, the first member of the family is charged full tuition, the second receives a \$300 per year deduction on tuition, the third receives a \$500 per year deduction on tuition.

This policy applies only when the brothers are simultaneously attending as undergraduates and making normal academic progress.

PAYMENT OF FEES

When a student is accepted for matriculation at St. Michael's College, he will be asked to make a guarantee deposit of \$100 within two weeks of receiving the notice of acceptance. This fee is not refundable, but will be applied to the student's semester accounts at the time of his registration.

All general fees are to be paid in full prior to the beginning of each semester upon receipt of a statement from the Bursar's office. Money orders or bank drafts should be made payable to *Saint Michael's College* and sent, preferably by registered mail, directly to the Bursar.

For those parents who prefer to pay their educational expenses in monthly installments, St. Michael's College has approved the two following commercial plans:

1. Education Funds, Inc.
2. The Tuition Plan, Inc.

Under these two programs, parents may spread one year's expense over eight to ten months. Two years' costs may be spread over twenty months and three years' costs over thirty months.

Parents of entering freshmen may cover their entire four years' expenses under one agreement providing forty, sixty, or seventy-two installments.

Detailed information concerning both plans is mailed to parents each summer.

Special fees may have to be paid by the student or his parents after registration, since many of them are determined only at registration.

With regard to the payment of fees the following regulations should be carefully noted:

1. No reduction in semester fees is made on account of the late entrance of a student.
2. Unless a student's accounts have been settled as indicated above, he will not be allowed to register in September or to continue in the second semester.
3. Any student whose accounts have not been settled in full before the beginning of semester or final examinations will not be allowed to take these examinations.
4. If a student leaves the College for any reason without having settled all his accounts, any request for transcripts, reports of grades, information concerning academic or disciplinary standing, et cetera, will not be honored by the College. Likewise, diplomas of graduating seniors will not be released until accounts have been fully settled.
5. No remission of fees will be made to students who are dismissed for disciplinary reasons or who withdraw unofficially.
6. Any scholarship awarded by the College, or over which the College exercises control, such as National Defense Loan funds, is credited to the student's account equally over both semesters. If a student is awarded \$400 for example, \$200 will go towards the payment of the first semester fees and \$200 towards the second semester fees.
7. Unless a student has already paid his accounts in full any money earned under the student aid program is credited to his account.

REMISSION OF FEES

The College fees are determined in large part on the basis of expected student enrollment. When a student is granted admission, therefore, it is expected that he will remain in session throughout the year. It is recognized, however, that unforeseen events, such as sickness or a call to military service, may make it necessary for a student to withdraw prior to the end of a term. In such cases the College remits the tuition fee according to the following scale:

Withdrawal within two weeks of the opening date of any term	80%
Withdrawal between the second and third week after the opening date	60%
Withdrawal between the third and fourth week after the opening date	40%
Withdrawal between the fourth and fifth week after the opening date	20%
Withdrawal after the fifth week	0%

The residence fee is remitted as follows:

Withdrawal up to the end of the fourth week of a term	75%
Withdrawal between the fourth and the end of the eighth week of a term	50%
Withdrawal between the eighth and the end of the twelfth week of a term	20%
Withdrawal after the twelfth week	0%

FINANCIAL AID

While St. Michael’s College subscribes to the philosophy that the primary responsibility to meet the costs of a college education rests with the parents of students, it also realizes that under present economic conditions there are families who do not have available means to send their children to a private college. In recognition of this fact, St. Michael’s College uses every possible means to bridge the gap that may exist between family resources and college expenditures.

Financial aid, consisting of scholarships, grants, loans, and work opportunities, is granted to students who cannot provide the full cost of a college education through their own and their families’ reasonable efforts. The primary purpose of financial aid is to provide assistance to students who, without such aid, would be unable to attend college.

The family of a student is expected to make a maximum effort to assist the student with college expenses and any assistance should be viewed only as supplementary to the efforts of the family.

In determining the extent of a student’s financial need, St. Michael’s College takes into account the support which may be expected from the income, assets, and other resources of the parents and students. Also taken into consideration are factors that affect a family’s financial strength, such as: current income, number of dependents, other educational expenses, debts, retirement needs or unusual circumstances.

Students awarded financial aid will continue to receive aid through their undergraduate years at St. Michael’s College as long as their academic and personal records are satisfactory and their need continues. The exact amount of need is determined each year on the basis of the PARENTS’ CONFIDENTIAL STATEMENT submitted by candidates and their parents.

APPLICATION PROCEDURE

Entering Freshmen

1. File an application for admission with the Director of Admissions. Complete the Financial Aid application attached to your admission application and return the completed Financial Aid Application to the Director of Student Financial Aid no later than February 15.
2. Obtain from your high school guidance office a copy of the PARENTS' CONFIDENTIAL STATEMENT, which is prepared by the College Scholarship Service. If the forms are not available from your high school you can request them from the College Scholarship Service, P. O. Box 176, Princeton, N. J. 08540. After completion of these papers, forward them to the above address for processing as described in the directions.

Upperclassmen

1. The applicant should obtain a Parents' Confidential Statement and Financial Aid Application from the Financial Aid Office; forms will be available prior to Thanksgiving vacation. A Financial Aid Application must be completed for each year you wish to be considered for assistance.
2. Applications should be completed by the applicant and his family and submitted to the College Scholarship Service, P. O. Box 176, Princeton, New Jersey 08540 not later than February 15.

SCHOLARSHIPS

Freshman Honor Scholarships are awarded to entering freshmen in recognition of their past academic accomplishments and their capacity for achievement at Saint Michael's College. Scholarships vary in amounts and are based on the student's high school record and scores achieved on the Scholastic Aptitude Test administered by the College Entrance Examination Board. Recipients of Honor Scholarships will be required to maintain a minimum 3.0 average out of a possible 4.0 scale.

Upper-Class Honor Scholarships are awarded to upperclassmen who have a demonstrated need, and in addition have satisfactory academic and personal records.

GRANTS

Grants are awarded to students who without such assistance would be unable to attend Saint Michael's College. The basic requirement for consideration is financial need.

St. Michael's College Grants-In-Aid are awarded to students whose academic records, while good, are not of scholarship quality, but who have financial need.

Vermont Tuition Adjustment Grants are awarded by St. Michael's College to a limited number of Vermont students each year. To be eligible a student must have a financial need and his parents or guardian must be legal residents of Vermont.

Educational Opportunity Grants are sponsored by the Federal Government and are administered by St. Michael's College. Educational Opportunity Grants are awarded to students showing exceptional financial need, and are renewable each year under normal circumstances. In no instance may an Educational Opportunity Grant exceed 50% of the total aid granted.

LOANS

National Defense Students Loans are an important financial aid resource available to students who need help and who are willing to pay for part of their current education with their future earnings. Loans may be granted to provide supplementary assistance to students receiving other forms of aid, or to help students with genuine need where scholarship and grant funds are not available. While a student is enrolled in at least one half of the normal academic workload no interest is paid on his loan and no repayments are expected.

Repayment begins not earlier than nine months, nor later than one year after graduation. The loans bear interest at the rate of three per cent per year on the unpaid balance. Repayment may be deferred up to a total of three years while a student borrower is serving in the Armed Forces, Peace Corps, or as a Volunteer in Service to America (VISTA). Repayment is deferred as long as a borrower is enrolled at an institution of higher education and is carrying at least a half-time academic workload.

If a borrower becomes a full-time teacher in an elementary or secondary school or in an institution of higher education, as much as half of the loan may be cancelled at the rate of ten per cent per year for each year of teaching service. Borrowers who elect to teach in certain eligible schools located in areas of primarily low-income families, may qualify for cancellation of their entire obligation at the rate of fifteen per cent per year. Teachers of disadvantaged or handicapped children may also qualify for the fifteen per cent cancellation.

PART-TIME STUDENT EMPLOYMENT

The College Work-Study Program provides part-time employment on campus for students who are in need of earnings from such employment to pursue courses of study at St. Michael's College.

Off Campus Employment is available through the cooperation of many business organizations in the Burlington area.

From experience St. Michael's College has found it difficult for most entering freshmen to work as it takes time to adjust to the academic atmosphere of college.

SPECIAL AWARDS

Special awards are administered by Saint Michael's College and awarded in accordance with the conditions set forth for each program.

AFROTC FINANCIAL ASSISTANCE PROGRAM

Established under Public Law 88-647 in 1964, this program awards scholarships to selected students each year. All members of the four year AFROTC curriculum are eligible. The scholarship includes full tuition, books, fees, supplies, equipment, and subsistence pay of \$50 per month. Inquiries should be directed to the AFROTC Department at Saint Michael's College

FAMILY DISCOUNT PLAN

Family discounts are awarded when two or more brothers are attending Saint Michael's simultaneously. The first brother is charged full tuition, the second receives a \$300.00 per year deduction in tuition, the third receives a \$500.00 per year deduction on tuition. This policy applies only when the brothers are attending simultaneously as undergraduates.

ATHLETIC AWARDS

The names of possible recipients will be submitted to the Financial Aid Committee by the Director of Athletics. The Financial Aid Office will inform the student of his award and of the regulations set forth in the constitution of the National Collegiate Athletic Association. The Financial Aid Committee will be notified of the budget for athletics.

ENDOWED SCHOLARSHIPS

Scholarships of varying amounts will be awarded to students who meet the requirements of the scholarship as set forth by the contributor.

PROVOST SCHOLARSHIP

THE REVEREND C. E. PROVOST SCHOLARSHIP is awarded to a deserving student of the Sacred Heart Parish of Bennington, Vermont. This scholarship, founded in 1918, provides income on \$5,000

PROULX SCHOLARSHIP

THE REVEREND NORBERT PROULX SCHOLARSHIP is awarded to a deserving student of St. Joseph Parish of Burlington, Vermont, or of Immaculate Heart of Mary Parish of Rutland, Vermont, or of Sacred Heart of Jesus Parish of West Rutland, Vermont, or of Our Lady Star of the Sea Parish of Newport, Vermont. This scholarship, founded in 1922, provides income on \$5,000.

AUDET SCHOLARSHIPS

Two scholarships have been established by the Reverend J. F. Audet. The first, founded in 1906, provides income on \$500 and is awarded to a needy candidate of St. Francis Parish of Winooski, Vermont. The second, founded in 1917, provides income on \$2,500 and is awarded to one or more deserving students of St. Francis Parish of Winooski, Vermont.

FORESTERS SCHOLARSHIP

THE CATHOLIC ORDER OF FORESTERS SCHOLARSHIP is awarded to a student of Vermont, preferably a Forester's son, who is a candidate for the priesthood. This scholarship founded in 1914 by the State Court, Catholic Order of Foresters, is good for two years at St. Michael's College and provides a stipend of \$300 per year. Applications must be filed with the Chancery Office, 52 Williams Street, Burlington, Vermont.

THE DERWAY SCHOLARSHIP

THE MARY R. DERWAY SCHOLARSHIP FUND is used as a tuition scholarship or scholarships for progressive students, who are otherwise financially unable to attend college. Preference is given to young men aspiring to the priesthood, who, in the judgment of the Committee on Scholarships, are considered most worthy of such assistance. The scholarship, founded in 1952, provides income on \$15,000.

CAIN MEMORIAL SCHOLARSHIP

THE MONSIGNOR W. J. CAIN and PAUL CAIN MEMORIAL SCHOLARSHIP is awarded to a needy student resident of the State of Vermont. It provides income on \$4,500. The applicant should contact the committee on scholarships and student aid.

KNIGHTS OF COLUMBUS SCHOLARSHIP

THE KNIGHTS OF COLUMBUS SCHOLARSHIP is awarded to a young man who feels called to the priesthood. This scholarship was founded in 1929 and is provided by the Vermont State Council. Applications must be filed with the Chancery Office, 52 Williams Street, Burlington, Vermont.

BURKE SCHOLARSHIP

THE THOMAS J. and MARIE W. BURKE SCHOLARSHIP FUND is awarded every year, first, to an American Negro from a southern state or, for lack of such a candidate, to any student of promise who would not otherwise be able to benefit from a college education. This scholarship, founded in 1962, provides income on \$22,000.

KINSELLA SCHOLARSHIP

THE KINSELLA MEMORIAL SCHOLARSHIP is awarded to a student from St. Peter Parish of Rutland, Vermont, who wishes to prepare for the priesthood. This scholarship, founded in 1935, provides income on \$2,000.

DAUGHTERS OF ISABELLA SCHOLARSHIP

THE DAUGHTERS OF ISABELLA SCHOLARSHIP provides a stipend of \$250. It is awarded each year to a deserving and needy student from Vermont.

DEFERRED PAYMENT PLAN

In addition to direct student aid programs, Saint Michael's College also accepts deferred payment plans, which enables families to pay for college costs on a monthly basis. Saint Michael's does not provide this service but will provide information describing the available payment plans from various private organizations. Information can be obtained by writing to the Comptroller's office at Saint Michael's College.

STATE STUDENT ASSISTANCE PROGRAMS

State scholarships, grants and loans are increasing each year for undergraduate studies. Students are encouraged to apply for such assistance and are supported in their applications by St. Michael's College. Applications and brochures are available from your high school guidance counselor.

Scholarships and grants vary greatly in each state; however, the guaranteed loan programs are basically the same. Generally the following regulations have been adopted by each state:

1. To be eligible, a student must be a United States Citizen or a foreign national who intends to become a citizen. The applicant must be accepted or enrolled at St. Michael's College.
2. Funds are made available by banks, credit unions, or savings and loan associations of your choice which are participating in the student loan program in your state.
3. The amount a student may borrow depends upon state statutes; usually maximum limits are \$1,000 or \$1,500 per school year for undergraduate studies.
4. If your adjusted family income is less than \$15,000 interest will be paid by the government while the applicant is at least a half-time student.
5. Repayment begins nine months after graduation or when a student ceases to carry at least one-half the normal academic workload. There are provisions for deferment while attending graduate school or serving in the Armed Forces.

COLLEGE PERSONNEL

ADMINISTRATIVE OFFICES

President

BERNARD L. BOUTIN, LL.D.

Assistant to the President

FRANCIS MORIARITY, S.S.E.

Academic Dean

EDWARD PFEIFFER, PH.D.

Director of Development

MICHAEL LOYACK

Treasurer

JEREMIAH T. PURTILL, S.S.E., PH.D.

Director of Public Relations

LEO J. O'CONNOR

Alumni Director

JOSEPH M. CURTIN

Director of Financial Aid

RONALD IVERSON

Dean of Student Affairs

MOSES B. ANDERSON, S.S.E., M.A.

Director of Personnel

RICHARD McDOWELL

THE FACULTY

JOSEPH AMRHEIN, PH.D. (New York University)

Chairman, Department of Economics and Business Administration

NORMA H. AUCHTER, M.M. (University of Rochester)

Lecturer in Music

DANIEL J. BEAN, PH.D. (University of Rhode Island)

Assistant Professor of Biology

- BERNARD J. BECHARD, S.S.E., M.A. (Columbia University)
Assistant Professor of Education
- LEO M. BELLEROSE, PH.D. (Georgetown University)
Lecturer in Modern Languages
- FRANK M. BRYAN, M.A. (University of Vermont)
Assistant Professor in Political Science
- DOMINIQUE P. CASAVANT, M.S. (University of Vermont)
Associate Professor of Physics
- JAMES G. CASE, M.A. (University of Toronto)
Associate Professor of Philosophy
- ROBERT W. CASWELL, PH.D. (Trinity College, Dublin)
Assistant Professor of English
- JAMES P. CHAPLIN, PH.D. (University of Illinois)
Chairman, Department of Psychology
- ALFRED CISMARU, PH.D. (New York University)
Professor of Modern Languages
- ARMAND O. CITARELLA, LITT.D. (University of Naples)
Chairman, Humanities Program
- FRANK N. CLARY, B.A. (Lasalle College)
Assistant Professor of English
- JAMES R. COOMBS, S.S.E., M.S.ED. (Fordham University)
Assistant Professor of Education
- HENRY J. COURNOYER, MAJOR, USAF, B.S. (St. Michael's College)
Assistant Professor of Aerospace Studies
- PAUL E. COUTURE, S.S.E., S.T.D. (Pontifical Gregorian Institute)
Associate Professor in Theology
- LORENZO D'AGOSTINO, S.S.E., PH.D. (Catholic University)
Professor of Psychology
- J. DENNIS DELANEY, PH.D. (University of Arizona)
Assistant Professor in Modern Languages
- JAMES T. DILLON, M.B.A. (Boston University)
Instructor in Economics and Business Administration
- RICHARD N. DiLORENZO, M.S. (St. John's University)
Assistant Professor of Biology
- PAUL J. DORSAM, M.M. (New England Conservatory of Music)
Instructor in Music
- GERALD E. DUPONT, S.S.E., PH.D. (University of Montreal)
Professor of Philosophy
- JOHN D. ENGELS, M.F.A. (University of Iowa)
Associate Professor of English
- JAMES M. ENRIGHT, M.A. (University of Chicago)
Instructor in Philosophy

- JAMES S. EVANS, M.S. (University of Vermont)
Instructor in Physics
- HENRY G. FAIRBANKS, PH.D. (University of Notre Dame)
Professor in Humanities
- EDWARD L. FOLEY, PH.D. (Lehigh University)
Chairman, Department of Physics
- GEORGE A. FORTUNE, M.S. (University of Vermont)
Professor in Business Administration and Economics
- MICHAEL C. GALATOLA, M.S. (Columbia University)
Chairman, Department of Classics
- SISTER MARGARET THERESA GAMACHE, PH.D. (University of Portland)
Assistant Professor in Humanities
- WILLIAM R. GARETT, PH.D. (Drew University)
Assistant Professor of Sociology
- REZA GHAFARI, M.A. (State University of New York at Albany)
Assistant Professor of Economics and Business Administration
- ARNOLD P. GIANELLI, M.A. (Columbia University)
Professor of Economics and Business Administration
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SUMMER SESSION: Men and women. Graduate and undergraduate courses.

FACULTY: Priests and laymen

COST: Per year, \$3,000 (room, board, tuition, fees)

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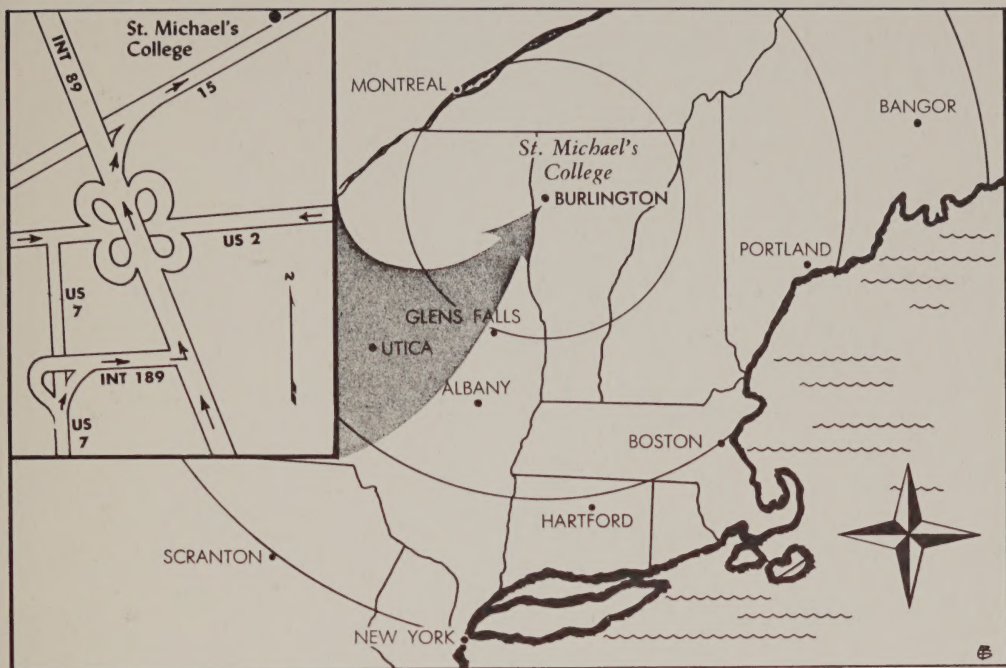
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WRITE FOR INFORMATION TO:

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